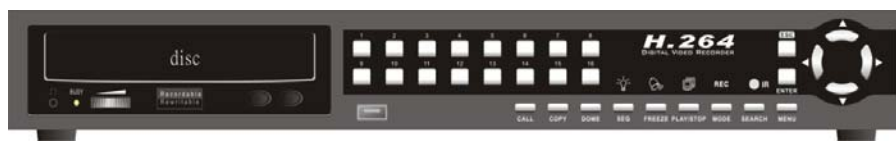
FVS

PRO CCTV
EQUIPMENT CATALOGUE

MANY NEW & UPGRADED PRODUCTS + 2nd GENERATION PRO2 H264 DVRS'

DVRS' - CAMERAS - IP CAMERA - MONITORS - LENSES AND ACCESSORIES
DESIGNED AND MANUFACTURED BY PROFESSIONALS



FVS

NOVEMBER 2009

D-GUARD & D-GUARD PRO1 H264HR 4CH - 8CH & 16CH DVRS

DVRXL84TX

4CH H264HR PENTAPLEX MIDI SILENT MODEL
4CH AUDIO-SUPERFAST WEBSERVER-USB2

UP TO 40% LONGER RECORD TIMES. 50% FASTER INTERNET ACCESS.

DVRC4H264TX-PRO1

4CH H264HR PENTAPLEX MODEL
4CH AUDIO-DVD WRITER-SUPERFAST WEBSERVER-USB2 x 3

DVRXL88TX

8CH H264HR PENTAPLEX MIDI SILENT MODEL
8CH AUDIO-SUPERFAST WEBSERVER-USB2 x 2

D7313H JOYSTICK KEYBOARD

DVRC8H264TX-PRO1

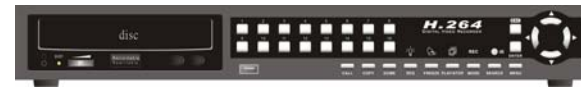
8CH H264HR PENTAPLEX MODEL
8CH AUDIO-DVD WRITER-SUPERFAST WEBSERVER-USB2 x 3

DVRXL86TX

16CH H264HR PENTAPLEX MIDI SILENT MODEL
16CH AUDIO-SUPERFAST WEBSERVER-USB2 x 2

D7323-2 KEYBOARD

DVRC16H264TX-PRO1



16CH H264HR PENTAPLEX MODEL
16CH AUDIO-DVD WRITER-SUPERFAST WEBSERVER-USB2 x 3

6 - H264HR MODELS PRICED WITHIN THE BUDGET PRICE RANGE BUT WITH FEATURES & BUILD QUALITY TO MATCH MANY TOP DVR'S. THE MIDI D-GUARD "X" MODELS ARE SILENT RUNNING & USE FAST USB2 FOR INCIDENT DOWNLOAD. ALL OTHERS HAVE BUILT IN DVD BURNER PLUS 3 - USB2 PORTS. THERE IS AUDIO ON EVERY CAMERA CHANNEL. THESE MODELS ALSO HAVE A FULLY FUNCTIONAL FAST WEBSERVERS FOR INTERNET OR NETWORK ACCESS PLUS IR REMOTE CONTROL & OPTIONAL KEYBOARD REMOTE CONTROLLERS. UP TO 2 IP CAMERAS MAY BE RECORDED USING THE HYBRID FUNCTION ON THE PRO1 MODELS. THE EZ FEATURE ENABLES FAST INSTALLATION & SET UP PLUS EASY OPERATION OF RECORD / PLAYBACK & DVD OR USB INCIDENT RECORD. THERE IS USER MANAGEMENT TO ALLOW PASSWORD USE FOR IMPORTANT FUNCTIONS. EVERY DVR HAS A CERTIFIED MICROSOFT WINDOWS REGISTRATION TO EASE DOWNLOAD OF SOFTWARE ON A PC.

PENTAPLEX H264HR
- CONTINUOUS RECORD REGARDLESS OF ANY OTHER FUNCTION BEING OPERATED INCLUDING REMOTE ACCESS.
- USE THE HIGH RESOLUTION VERSION OF H264 FOR LONGER RECORD TIMES & FAST NETWORK OR INTERNET ACCESS OR USE OPTIONAL SUPER HIGH RESOLUTION MJPEG IF THE INSTALLATION REQUIRES SUCH A FACILITY.

SILENT RUNNING MIDI X
- ALTHOUGH ALL MODELS ARE QUIET - THE MIDI SIZED "X" MODELS ARE SILENT RUNNING AND IDEAL FOR QUIET AREA INSTALLATIONS.

RECORD MODE CHOICE
- 3 RECORD MODES (INSTALLER CAN MANUALLY CHANGE TO REQUIRED MODE ON MENU "RECORD SETUP") -
  50 PPS - D1 (FULL FRAME)
  100 PPS - D2 (FIELD)
  200 PPS - D3 (CIF)
  NOTE THAT 4CH MODELS USE 25 PPS - 50 PPS & 100 PPS MODES.

EASY RECORD SETUP USING EZ RECORD OR INDIVIDUAL CAMERA SETTINGS FOR PPS & QUALITY
- "EZ RECORD" ALLOWS THE INSTALLER TO SIMPLY ENTER THE NUMBER OF DAYS RECORDING REQUIRED. THE DVR WILL DO THE REST. ALTERNATIVELY EACH INDIVIDUAL CAMERA PPS & RESOLUTION (QUALITY) MAY BE ADJUSTED INDEPENDENTLY AS BELOW -
  1PPS - 3.125PPS - 6.25PPS - 9.38PPS - 12.5PPS OR 25PPS SUBJECT TO THE TOTAL PPS REMAINING WITHIN THE RECORD MODE MAXIMUM.
  QUALITY (RESOLUTION) FOR EACH CAMERA MAY ALSO BE SET ON THE SAME MENU SCREEN AND EVEN VARIED BETWEEN DAY, NIGHT & WEEKEND.
  ALL MODELS: BEST, HIGH, MID, FAIR, LOW.

INTERNAL HD STORAGE OPTIONS
- DVRXL84TX: 250GB / 320GB / 500GB / 750GB / 1TB.
- DVRXL88TX: 250GB / 320GB / 500GB / 750GB / 1TB / 1.5TB / 2TB.
- DVRXL86TX: 250GB / 320GB / 500GB / 750GB / 1TB / 1.5TB / 2TB.
- DVRC4H264TX-PRO1: 250GB / 320GB / 500GB / 750GB / 1TB / 1.5TB / 2TB.
- DVRC8H264TX-PRO1: 250GB / 320GB / 500GB / 750GB / 1TB / 1.5TB / 2TB.
- DVRC16H264TX-PRO1: 250GB / 320GB / 500GB / 750GB / 1TB / 1.5TB / 2TB.

DISPLAY OPTIONS LIVE OR PLAYBACK
- DVRXL84TX & DVRC4H264TX-PRO1: SINGLE CAMERA - SEQUENCING ALL CAMERAS - QUAD.
- DVRXL88TX & DVRC8H264TX-PRO1: SINGLE CAMERA - SEQUENCING ALL CAMERAS - QUAD - QUAD x 2 (SEQUENCING OPTION) - 8 SPLIT.
- DVRXL86TX & DVRC16H264TX-PRO1: SINGLE CAMERA - SEQUENCING ALL CAMERAS - QUAD - QUAD x 4 (SEQUENCING OPTION) - 9 SPLIT
  9 x 2 SPLIT (SEQUENCING OPTION) 1 CAMERA DUPLICATED IN 9 SPLIT - 16 SPLIT.

MONITOR OUTPUTS
- MAIN BNC VIDEO MONITOR OUTPUT + CALL MONITOR OUTPUT (EX DVRXL84TX) + VGA MONITOR OUTPUT.

COVERT MODE
- ANY INDIVIDUAL OR GROUP OF CAMERAS MAY BE HIDDEN ON THE MONITOR OUTPUT - BUT CONTINUE TO RECORD.

INCIDENT RECORD
- EZBURN FOR 2 BUTTON RECORD OF INCIDENTS TO DVDRW OR USB2 PORTS.

SCHEDULE RECORD
- THE DVR MAY BE SET TO START AND STOP AT ANY CHOSEN TIME DURING THE DAY - AGAIN AT NIGHT AND THE WEEKEND.

MOTION & ALARM DETECT
- MOTION DETECTION. ADJUSTABLE SENSITIVITY & GRID AREA FOR EACH CAMERA - PLUS ALARM RECORD BOTH WITH RELAY OUTPUTS. 10000 EVENT LIST WITH OVERWRITE. DISPLAY ON SCREEN BY HIGHLIGHTING EVENT DISPLAY ON THE EVENT LIST.

REPLAY OPTIONS
- EASY PLAYBACK OF NORMAL RECORDINGS WITH TIME & DATE SEARCH BUTTON OR EVENT LIST FOR MOTION / ALARM INCIDENT.

FREEZE FRAME
- FREEZE FRAME OF ANY CAMERA DURING LIVE OR PLAYBACK.

ZOOM
- ALL MODELS: 2 x 2 ZOOM ON LIVE AND PLAYBACK + ZOOM x 7 ON REMOTE VIEW LIVE AND PLAYBACK USING PC MOUSE WHEEL.

USB MOUSE CONTROL
- FULL FUNCTION CONTROL USING A USB PS/2 MOUSE AS WELL AS THE NORMAL DVR FRONT PANEL AND KEYBOARD IF REQUIRED.

DOME CONTROL
- CONTROL OF SPEED DOMES FROM DVR FRONT PANEL, A KEYBOARD, A NETWORK OR ON A PC USING REMOTE ACCESS. MULTIPLE PROTOCOLS FOR MOST DOMES + OPTIONAL COAX CONVERTERS FOR SINGLE CABLE CONNECTION IF REQUIRED.

REMOTE CONTROL
- IR REMOTE CONTROL STANDARD. OPTIONAL D7323-2 KEYBOARD CONTROL OR D7313H 3 AXIS JOYSTICK DOME / DVR CONTROLLER.

AUDIO
- AUDIO ON ALL CAMERA CHANNELS.

IP CAMERA RECORD
- UP TO 2 APPROVED FORMAT IP CAMERAS CAN BE RECORDED BY THE PRO-1 MODELS ONLY.

WEB / NET ACCESS
- BUILT-IN WEBSERVER FOR WORLDWIDE INTERNET ACCESS ON BROADBAND (ADSL) OR AN INTERNAL PC NETWORK.

CMS & MOBILE ACCESS
- CMS MULTI SITE (MAX 64 CAMERAS) & G3 MOBILE PHONE SOFTWARE (FOR MOST MODELS) IS AVAILABLE.

JAVA SOFTWARE FOR MAC
- JAVA REMOTE VIEW SOFTWARE AVAILABLE FOR MAC COMPUTERS AND FIREFOX BROWSERS. ENABLES LIVE VIEW, PLAYBACK AND DOME CONTROL.

POWER SUPPLY
- EXTERNAL SWITCHED MODE - AC100~240V - DC12V - 6.67AMP SUPPLIED.

DIMENSIONS
- DVRXL84TX / XL88TX / XL86TX: 220(W) x 50(H) x 330(D)mm.
  DVRC4H264TX / C8H264TX / C16H264TX PRO1: 436(W) x 55(H) x 413(D)mm.

OPTIONS
- D7323-2 RS485 KEYBOARD CONTROLLER TO DUPLICATE DVR FRONT PANEL FUNCTIONS (MULTIPLE UNITS CAN BE USED). SEE PAGE 9.
- .D7313H RS485 3 AXIS JOYSTICK KEYBOARD CONTROLLER FOR SPEED DOME AND DVR CONTROL (MULTIPLE UNITS CAN BE USED). SEE PAGE 9.
- VSC10 DVR SECURITY CABINET SEE PAGE 12.
- DVD-R'S AND DATA PROTECTION KITS SEE PAGE 12.

DGUARD PRO 2 & TURBO 2ND GENERATION H264 TRIPLE CODEC DVRS' PLUS REAL TIME MPEG4 MODEL

DVR4MTX-PRO2

MPEG-4 4CH PRO2
REAL TIME. PENTAPLEX.
DVDRW + 3 x USB2 PORTS. WEBSERVER
VIDEO, VGA & S-VIDEO MONITOR OUT

DVR604S / 608S / 616S PRO2

4CH / 8CH / 16CH PRO2 2ND GENERATION H264.
TURBO & ULTIMATE OPTION FOR D1 REAL TIME RECORD
PENTAPLEX, AUDIO ON ALL CHANNELS
INBUILT TILLSCAN, DVDRW + 3 x USB2 PORTS. WEBSERVER.
VIDEO, VGA, HDMI & S-VIDEO MONITOR OUTPUTS.

D7313H KEYBOARD

UP TO 40% LONGER RECORD TIMES.
50% FASTER INTERNET ACCESS.

D7323-2 KEYBOARD

PRO2 2ND GENERATION H264 & 4CH MPEG-4 MODELS HAVE HIGHER RESOLUTION & ADDITIONAL FEATURES BUT SIMILAR SETUP TO ALL OTHER D-GUARD MODELS. 4CH & 8CH "TURBO" UPGRADES ALLOW REAL TIME D1 FULL FRAME RECORD CAPABILITY ON EVERY CAMERA. THE 16CH "TURBO" UPGRADE DOUBLES THE RECORD SPEED IN EACH MODE WITH 400PPS IN CIF. THE 16CH "ULTIMATE" OPTION INCREASES RESOLUTION FOR REAL TIME D1 RECORDING. REAL TIME RECORDING ON THE 4CH MPEG-4 MODEL IS IN CIF MODE. H264 MODELS HAVE A MENU CHOICE OF CODECS EITHER H264, MPEG4 OR MJPEG. IF YOU CHOOSE MPEG-4 OR MJPEG MODE ON THE H264 MODEL YOU WILL GET DOUBLE THE RECORD SPEED WITHOUT ANY ADD ON OPTIONS BUT SHORTER RECORD DURATIONS. H264 MODELS ALSO HAVE AUDIO ON EVERY CAMERA CHANNEL & THE 4CH MPEG-4 MODEL HAS 2 AUDIO INPUTS THAT MAY BE ASSIGNED TO ANY 2 CAMERAS.
STANDARD FEATURES ON ALL MODELS INCLUDE WEBSERVERS FOR REMOTE VIEWING WITH VARIABLE REMOTE VIDEO STREAMING IF TURBO OR ULTIMATE UPGRADES ARE CHOSEN. EZ RECORD FOR SIMPLE INPUT OF RECORDING DAYS WITH INSTANT SETUP OF INDIVIDUAL CAMERA RECORD SPEED & RESOLUTION. SINGLE COAX CABLE OR TWISTED PAIR COAX TELEMETRY CONTROL OF SPEED DOMES FROM EVERY CAMERA INPUT WITH OPTIONAL CONVERTER AT THE DOME END ONLY. ALL DVRS' HAVE MOTION DETECTION, ALARM RECORD & SCHEDULE TIME RECORD. THE 4CH MPEG4 PRO2 MODEL HAS A BNC VIDEO MAIN & CALL MONITOR + VGA & S-VIDEO. H264 MODELS HAVE 2 INDEPENDENTLY PROGRAMMEABLE MAIN MONITOR OUTPUTS (1 VIDEO + 1 VGA) PLUS CALL MONITOR + HDMI + S-VIDEO. HYBRID RECORD FOR APPROVED IP CAMERAS &TILLSCAN IS STANDARD ON THE H264 & AN OPTION FOR THE 4CH MPEG4 PRO2. NAS HARD DRIVE EXPANSION UNITS ARE ALSO AN OPTION.

PENTAPLEX
- PENTAPLEX FOR CONTINUOUS RECORD REGARDLESS OF ANY OTHER FUNCTION BEING OPERATED INCLUDING REMOTE ACCESS.

TRIPLE & DUAL CODECS
- H264 / MPEG-4 / MJPEG CODECS IN ALL 600S SERIES PRO H264 MODELS. THE 4CH MPEG-4 MODEL OFFERS DUAL CODEC MPEG-4 / MJPEG.

TURBO & ULTIMATE OPTION
- DG600 H264 PRO2 MODELS WHEN USED IN H264 MODE:
  4CH TURBO OPTION ALLOWS D1 REAL TIME FULL FRAME (100PPS).
  8CH TURBO OPTION ALLOWS D1 REAL TIME FULL FRAME (200PPS).
  16CH TURBO OPTION ALLOWS CIF REAL TIME (400PPS) AND DOUBLES ALL OTHER MODE RECORD RATES.
  16CH ULTIMATE OPTION ALLOWS D1 REAL TIME FULL FRAME (400PPS).
  NOTE: H264 MODELS USED IN MPEG-4 OR MJPEG CODEC MODE WILL DOUBLE STANDARD RECORD PPS WITHOUT ANY TURBO OR ULTIMATE UPGRADE.

VARIABLE RECORD MODES
- 3 RECORD MODES (INSTALLER CAN MANUALLY CHANGE TO REQUIRED MODE ON MENU "RECORD SETUP") D1 - FULL FRAME. ½ D1 - FIELD. CIF.

H264 - 4CH STANDARD	4CH TURBO	8CH STANDARD	8CH ULTIMATE	16CH STANDARD	16CH TURBO	16CH ULTIMATE	4CH MPEG-4
25 PPS - D1	100 PPS - D1	50 PPS - D1	200 PPS - D1	50 PPS - D1	100 PPS - D1	400 PPS - D1	25 PPS - D1
50 PPS - ½ D1		100 PPS - ½ D1		100 PPS - ½ D1	200 PPS - ½ D1		50 PPS - ½ D1
100 PPS - CIF		200 PPS - CIF		200 PPS - CIF	400 PPS - CIF		100 PPS - CIF

SIMPLE RECORD SETUP USING EZ RECORD OR INDIVIDUAL CAMERA SETTINGS FOR PPS & RESOLUTION
- "EZ RECORD" ALLOWS THE INSTALLER TO SIMPLY ENTER THE NUMBER OF DAYS RECORDING REQUIRED. THE DVR WILL DO THE REST.
  ALTERNATIVELY EACH INDIVIDUAL CAMERA PPS & RESOLUTION (QUALITY) MAY BE ADJUSTED INDEPENDENTLY AS BELOW -
  1PPS - 3.125PPS - 6.25PPS - 9.38PPS - 12.5PPS OR 25PPS SUBJECT TO THE TOTAL PPS REMAINING WITHIN THE RECORD MODE MAXIMUM.
  QUALITY (RESOLUTION) FOR EACH CAMERA MAY ALSO BE SET ON THE SAME MENU SCREEN AND EVEN VARIED BETWEEN DAY, NIGHT & WEEKEND.
  DVR4MTX-PRO2: BEST, HIGH, MID, FAIR, LOW.
  DVR604S / 608S / 616S-PRO2 + TURBO + ULTIMATE: BEST, HIGH, MID, FAIR, LOW.

INTERNAL HD STORAGE OPTIONS
- HARD DRIVE OPTIONS - H264 PRO2 MODELS - 250GB / 320GB / 500GB / 750GB / 1TB / 1.5TB / 2TB / 3TB.
  HARD DRIVE OPTIONS - 4CH MPEG4 MODEL - 250GB / 500GB / 750GB.

EXTERNAL STORAGE
- MODEL DS200 - ADDITIONAL 4 x 500GB HARD DRIVES IN EACH CONSOLE. UP TO 6 x DS200 PER DVR FOR ALL MODELS.

DISPLAY OPTIONS LIVE & PLAYBACK
- DVR4MTX-PRO2: SINGLE CAMERA - SEQUENCING - QUAD DISPLAY.
  DVR604S / 608S / 616S-PRO2: SINGLE CAMERA - SEQUENCING - QUAD - QUAD x 4 (SEQUENCING OPTION) - 9 SPLIT.
  9 x 2 SPLIT (SWITCHING OPTION) 1 CAMERA DUPLICATED IN SECOND 9 SPLIT - 16 SPLIT.

MONITOR OUTPUTS
- DVR4MTX-PRO2: MAIN BNC VIDEO + BNC VIDEO CALL / SPOT MONITOR + S-VIDEO + VGA MAIN MONITOR.
  DVR604S / 608S / 616S-PRO2: MAIN x 2 (BNC VIDEO + VGA) INDIVIDUALLY PROGRAMMEABLE + BNC VIDEO CALL / SPOT MONITOR S-VIDEO + HDMI (HIGH DEFINITION)

COVERT MODE
- ANY INDIVIDUAL OR GROUP OF CAMERAS MAY BE HIDDEN ON THE MONITOR OUTPUT - BUT CONTINUE RECORDING ON THE HARD DRIVE.

INCIDENT BACKUP
- INBUILT DVD-RW + 3 x USB2 PORTS.

JOG / SHUTTLE
- JOG / SHUTTLE ON ALL MODELS.

SCHEDULE RECORD
- THE DVR MAY BE SET TO START AND STOP AT ANY CHOSEN TIME DURING THE DAY - AGAIN AT NIGHT AND THE WEEKEND.

MOTION & ALARM DETECTION
- MOTION DETECTION WITH ADJUSTABLE SENSITIVITY & GRID AREA FOR EACH CAMERA - PLUS ALARM RECORD BOTH WITH RELAY OUTPUTS.
  10000 EVENT LIST WITH OVERWRITE. DISPLAY ANY EVENT SIMPLY BY HIGHLIGHTING THE DATE & TIME ON THE EVENT LIST.

REPLAY OPTIONS
- EASY PLAYBACK OF NORMAL RECORDING BY USING THE TIME AND DATE SEARCH.

FREEZE FRAME
- FREEZE ANY CAMERA.

ZOOM
- H264 PRO2: 2 x 2 ZOOM ON LIVE & PLAYBACK. REMOTE VIEW ZOOM x 7 ON LIVE AND PLAYBACK USING PC MOUSE WHEEL.
  MPEG4 PRO2: 2 x 2 ZOOM ON LIVE. REMOTE VIEW ZOOM x 7 ON LIVE AND PLAYBACK USING PC MOUSE WHEEL.

HDD REPAIR
- HARD DRIVE REPAIR FACILITY WITHOUT DATA LOSS.

DOME & COAX CONTROL
- CONTROL OVER SPEED DOMES FROM DVR FRONT PANEL, KEYBOARD, NETWORK OR OFF SITE USING A PC AND INTERNET EXPLORER FOR REMOTE INTERNET ACCESS. MULTIPLE PROTOCOLS FOR MOST DOMES & DIRECT COAX CONTROL (ADAPTOR AT DOME UNLESS ALREADY COAX ENABLED).

REMOTE CONTROL
- IR REMOTE CONTROL STANDARD. OPTIONAL RS485 KEYBOARDS MODEL D7323-2 OR D7313H 3 AXIS JOYSTICK DOME & DVR CONTROLLER.

AUDIO
- DVR4MTX-PRO2 & DVR8MTX-PRO2 TURBO: 2CH AUDIO IN / OUT LINKED TO ANY CAMERA INPUT. AUDIO IS INTERNET / NETWORK ENABLED.
  DVR604S / 608S / 616S-PRO2: EVERY CHANNEL HAS AUDIO INTERNET / NETWORK ENABLED + 2 WAY OPTION.

IP CAMERA RECORD
- 4~8 IP CAMERAS WITH H264 PRO2 HYBRID FUNCTION. 2 x MEGAPIXEL + NORMAL VGA OUTPUT. MPEG-4 DVR 2 APPROVED FORMAT IP CAMERAS.

MOUSE CONTROL
- FULL OSD FUNCTION CONTROL USING A USB MOUSE AS WELL AS DVR FRONT PANEL AND KEYBOARD IF REQUIRED.

WEB / NET ACCESS
- HI POWER WEBSERVER WITH DUAL STREAMING FOR WORLDWIDE INTERNET OR LAN ACCESS VIA BROADBAND. LATEST UPnP AUTO ROUTER SETUP.

CMS & MOBILE PHONE VIEW
- CMS MULTI SITE (MAX 64 CAMERAS) & G3 MOBILE PHONE SOFTWARE (FOR MOST G3 MODELS) ARE AVAILABLE.

JAVA SOFTWARE FOR MAC
- JAVA REMOTE VIEW SOFTWARE AVAILABLE FOR MAC COMPUTERS AND FIREFOX BROWSERS. ENABLES LIVE VIEW, PLAYBACK AND DOME CONTROL.

TILLSCAN P.O.S.
- OPTIONAL TEXT MODULE ON MPEG4. STANDARD FITTING ON H264 PRO2. IF MORE THAN ONE TILL IS USED THEN ADDITIONAL DATA CONVERTER MODULES MUST ALSO BE FITTED. TILLSCAN OFFERS FULL RECORDING - VIEWING - SCANNING & PRODUCT SEARCH FACILITIES (MOST TILL PROTOCOLS).

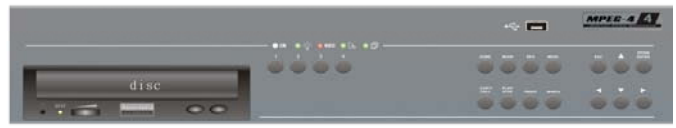
POWER SUPPLY
- INTERNAL SWITCHED MODE - AC100~260V.

DIMENSIONS
- 440(W) x 90(H) x 435(D)mm. ALL MODELS.

OPTIONS
- D7323-2 RS485 KEYBOARD CONTROLLER TO DUPLICATE DVR FRONT PANEL FUNCTIONS. SEE PAGE 9.
- D7313H RS485 3 AXIS JOYSTICK KEYBOARD CONTROLLER FOR SPEED DOMES AND DVR PLUS MMX / MPX MULTI DVR / DOME CONTROL. SEE PAGE 9.
- DS200 - 4 ADDITIONAL HARD DRIVES - NAS EXPANSION CONSOLE.
- COAX CONVERTERS FOR SINGLE CABLE DOME CONTROL AND VIDEO SIGNAL.
- TILLSCAN DATA CONVERTER (REQUIRED WHEN MORE THAN ONE TILL IS TO BE USED WITH A DVR). TEXT MODULE NEEDED ON 4CH DVR4MTX-PRO2.
- VSC10 DVR SECURITY CABINET. SEE PAGE 12.
- DVD-R DATA PROTECTION KITS. SEE PAGE 12.

D-GUARD 4 CH HIGH POWER UTP DVR WITH MPEG-4 & MJPEG CODECS

DVRB4BTX/UTP



4CH PENTAPLEX UTP MODEL.
USB & CD-RW WEBSERVER.

D7323-2 KEYBOARD

D7313H KEYBOARD

A HIGH POWER 4CH UTP MODEL SWITCHABLE BETWEEN UTP AND COMPOSITE BNC VIDEO. WHEN USED AS A UTP MODEL WITH CAT 5 CABLING THE DVR PRODUCES SUFFICIENT 12V DC POWER TO EACH CAMERA FOR CABLE RUN LENGTHS UP TO 250M.
HIGH CURRENT DRAW IR MODELS SHOULD NOT BE POWERED AT DISTANCES OVER 200M.
THIS PENTAPLEX DVR HAS INBUILT CD-RW PLUS A USB2 PORT FOR INCIDENT DOWNLOAD. IT ALSO HAS A WEBSERVER FOR NETWORK OR INTERNET VIEWING, PLAYBACK AND SAVING INCIDENTS. THERE IS ONE AUDIO CHANNEL AND AN IR REMOTE CONTROL IS STANDARD WITH THE OPTION OF 2 - RS485 CABLE REMOTE UNITS INCLUDING ONE WITH FULL JOYSTICK DOME AND DVR CONTROL.
CAMERA BALUNS ARE INCLUDED WITH THE DVR.
THIS IS THE IDEAL DVR FOR A 4 CAMERA INSTALLATION WHERE A SINGLE CABLE IS REQUIRED FOR BOTH VIDEO AND POWER.

FULL PENTAPLEX	• PENTAPLEX - DVR CONTINUES TO RECORD REGARDLESS OF ANY FUNCTION THAT IS IN OPERATION AT THE SAME TIME INCLUDING REMOTE ACCESS.
CAT 5 UTP VIDEO & POWER	• HIGH POWER UTP PANEL FOR UP TO 4 CAMERAS WITH 12W 12V DC POWER OUTPUT TO EACH CAMERA. HIGH POWER MEANS THAT CABLE RUNS OF 250M OR MORE ARE POSSIBLE WITH POWER. MOST IR LED CAMERAS APART FROM HIGH POWER MODELS CAN BE POWERED TO THIS DISTANCE. HOWEVER HIGH POWER IR CAMERAS SHOULD BE RESTRICTED TO AROUND 200M MAXIMUM. UTP CAMERA BALUNS ARE INCLUDED IN DVR PACKAGE.
DUAL MPEG-4 / MJPEG	• CHOOSE YOUR RECORDING RESOLUTION: RECORD SETUP SECTION OF THE DVR MENU GIVES A MODE OPTION OF MPEG-4 FOR LONG RECORD TIMES AND FAST REMOTE TRANSMISSION OR MJPEG FOR SUPER HIGH RESOLUTION IF THE INSTALLATION REQUIRES SUCH A FACILITY.
SIMPLE MENU SET-UP	• THE UNIQUE DVR MENU SET-UP FOR LENGTH OF RECORDING ENABLES THE INSTALLER TO COMPLETE THE JOB WITHIN MINUTES BY SIMPLY CHANGING THE "PRESET CONFIGURATION" ON THE RECORD SET-UP PART OF THE MENU TO "EZRECORD" AND ENTERING THE NUMBER OF DAYS RECORDING THAT IS REQUIRED - THE DVR WILL DO THE REST. THE DVR WILL ALSO INDICATE THE RECORD RATE (PPS - PICTURES RECORDED IN A SECOND) AND RESOLUTION (QUALITY OF RECORDING). BOTH OF THESE MAY BE SET TO HIGHER OR LOWER LEVELS BASED ON THE SIZE OF HARD DRIVE(S) INSTALLED. INDIVIDUAL CAMERA SETTINGS MAY BE SET (SEE SECTION BELOW) UNDER "PER CAMERA CONFIG" ON THE RECORD SET-UP MENU BY TURNING THE PRESET CONFIGURATION TO "OFF" INSTEAD OF "EZRECORD".
EASY RECORD SET-UP USING EZ RECORD OR INDIVIDUAL CAMERA SETTINGS FOR PPS & QUALITY	• 3 RECORD RESOLUTION MODES (INSTALLER CAN MANUALLY CHANGE TO REQUIRED MODE ON DVR INSTALLATION) - 25PPS - D1 (FULL FRAME) 50PPS - D2 (2 CIF) 100PPS - (CIF). IF YOU USE "PER CAMERA CONFIG" ON THE MENU INSTEAD OF "EZRECORD" IN EACH MODE A RECORDING FRAME RATE (PPS) OF - 1PPS, 3.125PPS, 6.25PPS, 9.38PPS, 12.5PPS OR 25PPS PER CAMERA MAY BE SET INDIVIDUALLY WITH A TOTAL PPS OF 25 - 50 OR 100 DEPENDANT ON THE MODE THAT IS SET. QUALITY (RESOLUTION) FOR EACH CAMERA MAY ALSO BE SET INDIVIDUALLY FOR EACH CAMERA. SETTINGS AVAILABLE ARE - BEST, HIGH, MID, FAIR OR LOW.
INTERNAL HD STORAGE OPTIONS	• 250GB & 500GB.
DISPLAY OPTIONS LIVE OR PLAYBACK	• SINGLE CAMERA - TIMED SEQUENCING ALL CAMERAS - QUAD.
MONITOR OUTPUTS	• MAIN BNC VIDEO MONITOR OUTPUT + ADDITIONAL VGA MONITOR OUTPUT.
COVERT MODE	• ANY INDIVIDUAL OR GROUP OF CAMERAS MAY BE HIDDEN ON THE MONITOR OUTPUT - BUT CONTINUE TO RECORD ON THE HARD DRIVE(S).
INCIDENT BACKUP RECORD FACILITIES	• EZBURN FOR 2 BUTTON RECORD OF INCIDENTS TO CD-RW OR USB2 PORT.
MOTION & ALARM DETECTION	• MOTION DETECTION WITH ADJUSTABLE SENSITIVITY AND GRID AREA FOR EACH CAMERA - PLUS ALARM RECORD BOTH WITH RELAY OUTPUTS. EVENT LIST OF 10000 INCIDENTS WITH OVERWRITE. DISPLAY ANY EVENT ON SCREEN BY HIGHLIGHTING THE DATE & TIME ON THE EVENT LIST.
REPLAY OPTIONS	• EASY PLAYBACK OF NORMAL RECORDINGS BY USING THE TIME AND DATE SEARCH BUTTON OR THE EVENT LIST FOR MOTION OR ALARM INCIDENT PLAYBACK.
FREEZE FRAME	• FREEZE FRAME OF ANY CAMERA DURING LIVE OR PLAYBACK.
ZOOM	• 2 x 2 ZOOM ON LIVE AND PLAYBACK + ZOOM x 7 ON REMOTE VIEW LIVE AND PLAYBACK USING PC MOUSE WHEEL.
DOME CONTROL	• CONTROL OVER SPEED DOMES FROM DVR FRONT PANEL, A KEYBOARD, A NETWORK OR A PC USING INTERNET ACCESS (VIA INTERNET EXPLORER). MULTIPLE DOME PROTOCOLS INSTALLED INCLUDING PELCO D AND PELCO P. OPTIONAL COAX CONVERTERS IF REQUIRED.
REMOTE CONTROL	• IR REMOTE CONTROL STANDARD. OPTIONAL KEYBOARD CONTROL FOR DVR & SPEED DOMES AVAILABLE WHEN CONNECTING MODEL D7323-2 OR D7313H 3 AXIS JOYSTICK CONTROLLER.
AUDIO	• SINGLE CHANNEL AUDIO.
WEB / NET ACCESS	• BUILT-IN WEBSERVER FOR WORLDWIDE INTERNET ACCESS ON BROADBAND (ADSL) OR AN INTERNAL PC NETWORK.
CMS & MOBILE ACCESS	• CMS MULTI SITE (MAX 64 CAMERAS) & G3 MOBILE PHONE SOFTWARE (FOR MOST MODELS) ARE AVAILABLE.
JAVA SOFTWARE FOR MAC	• JAVA REMOTE VIEW SOFTWARE AVAILABLE FOR MAC COMPUTERS AND FIREFOX BROWSERS. ENABLES LIVE VIEW, PLAYBACK AND DOME CONTROL.
POWER SUPPLY	• INTERNAL HIGH POWER OUTPUT ATX POWER SUPPLY.
DIMENSIONS WxHxD	• 440(W) x 90(H) x 435(D)mm.
OPTIONS	• D7323 RS485 KEYBOARD CONTROLLER TO DUPLICATE DVR FRONT PANEL FUNCTIONS. SEE PAGE 9. • D7313H RS485 3 AXIS JOYSTICK KEYBOARD CONTROLLER FOR SPEED DOMES AND DVR. SEE PAGE 9. • VSC10 DVR SECURITY CABINET SEE PAGE 12. • CD-R'S FOR INCIDENT DOWNLOAD SEE PAGE 12.

B&W & COLOUR BODY CAMERAS

LENS IS ACCESSORY

BW800PM / 800ADC

- MONOCHROME - 700TVL SUPER HIGH RESOLUTION SONY SUPER HAD.
- 0.01 LUX. 2H ENHANCEMENT.
- WIDE RANGE AES.
- SWITCHABLE BLC AND AGC.
- EASY BACKFOCUS. DIRECT OR VIDEO DRIVE LENS OPTION.
- DIMENSIONS: 120(L) x 60(W) x 50(H)mm
- AC230V OR DUAL DC12V / AC24V (NON POLARITY).

LENS IS ACCESSORY

CL1870SHR / 1870ADC

- COLOUR - 540TVL SUPER HIGH RESOLUTION SONY SUPER HAD.
- 0.1 LUX. 2H ENHANCEMENT. DAY / NIGHT SWITCHING IN VERY LOW LIGHT.
- WIDE RANGE AES.
- TURBO AGC.
- VARIABLE BLC.
- EASY BACKFOCUS. DIRECT OR VIDEO DRIVE LENS OPTION.
- DIMENSIONS: 126(L) x 58(W) x 62(H)mm
- AC230V OR DUAL DC12V / AC24V.

COLOUR TRUE DAY & NIGHT BODY CAMERAS

LENS IS ACCESSORY

CL1980SHR/DN

- SONY SUPER HAD II - 540TVL - SUPER HIGH RESOLUTION.
- 0.03 LUX COLOUR / 0.003 LUX MONO. 2H ENHANCEMENT. 2 SWITCHING LEVELS WITH ICR SENSOR FOR TRUE DAY / NIGHT FILTER CHANGE.
- AUTO / MANUAL AES 1/50~10000. INTELLIGENT OR SWITCHABLE BLC. 2 AGC SETTINGS.
- DIMENSIONS: 126(L) x 50(W) x 62(H)mm
- AC90V~260V OR DUAL DC12V/ AC24V.

LENS IS ACCESSORY

CL2800TR/EXV/DN

- SONY EXVIEW - 540TVL - SUPER HIGH RESOLUTION.
- 0.03 LUX COLOUR / 0.003 LUX MONO. 3H ENHANCEMENT. OSD MENU VARIABLE TRUE DAY/NIGHT SWITCHING LEVELS WITH ICR SENSOR.
- DYNAMIC NOISE REDUCTION (DNR) VARIABLE TO 3 LEVELS.
- AUTO / MANUAL AES 1/50~10000. INTELLIGENT OR SWITCHABLE BLC. 2 AGC SETTINGS.
- TRAFFIC MODE - CAR NUMBER PLATE RECOGNITION FOR STATIONARY OR MOVING VEHICLE.
- DIMENSIONS: 126(L) x 50(W) x 62(H)mm
- AC90V~260V OR DUAL DC12V / AC24V.

LENS IS ACCESSORY

CL3000WDR/DN

- SONY DOUBLE DENSITY SV11 - 500TVL - HIGH RESOLUTION.
- 0.05 LUX COLOUR / 0.005 LUX MONO. 3H ENHANCEMENT. OSD MENU. VARIABLE TRUE DAY / NIGHT SWITCHING LEVELS WITH ICR SENSOR.
- WIDE DYNAMIC RANGE + WIDE RANGE AES WITH SLOW SHUTTER.
- MULTIPLE ZONE BLC SETTING FROM OSD MENU. MULTIPLE AGC SETTINGS FROM OSD MENU.
- DIMENSIONS: 126(L) x 50(W) x 62(H)mm
- DUAL DC12V / AC24V.

INTERNAL COLOUR DOME CAMERAS

MDC1LCS

- COLOUR 400TVL - 1 LUX - SHARP CCD. (INSTALLER BUDGET MODEL).
- AES. AUTO BLC, AUTO AGC.
- EASY PAN / TILT.
- LENS: 3.6mm FIXED WIDE ANGLE.
- DIMENSIONS: 97.5(W) x 68(H)mm.
- DC12V.

MDC4SPH/V

- COLOUR 350+ TVL - 0.5 LUX - SONY SUPER HAD & DSP PROCESSING.
- WIDE RANGE AES. AUTO BLC & AGC.
- EASY SCREW CASING + EASY CAMERA MODULE PAN / TILT.
- LENS: 2.6~6mm OR 4~9mm AUTO IRIS VARIFOCAL.
- DIMENSIONS: 140(W) x 93(H)mm.
- DC12V.

MDC3SPH

- COLOUR 550+ TVL - 0.5 LUX - SONY GRADE HQ1 SUPER HAD & DSP PROCESSING.
- BLC & AGC BY ON / OFF DIPSWITCH.
- EASY SCREW CASING + SIMPLE CAMERA MODULE PAN / TILT.
- LENS: 2.9mm / 4.3mm / 6mm / 8mm / 12mm / 16mm FIXED IRIS.
- DIMENSIONS: 100(W) x 75(H)mm.
- DC12V.

MDC5SPH/V

- COLOUR 540 + TVL - 0.1 LUX SONY GRADE HQ1 SUPER HAD & DSP PROCESSING.
- EXCELLENT CLARITY WITH CLEAR NATURAL COLOUR.
- BLC & AGC BY ON / OFF DIPSWITCH.
- EASY SCREW CASING + SIMPLE CAMERA MODULE PAN / TILT.
- LENS: 2.8mm ~ 11mm AUTO IRIS VARIFOCAL.
- DIMENSIONS: 140(W) x 93(H)mm.
- DC12V.

INTERNAL DOMES - DNR / DSS SUPER LOW LIGHT / TRUE DAY / NIGHT

MDC6SHR/DNR/V

- LOWEST LIGHT COLOUR 550 + TVL - 0.0002 LUX WITH DSS - SONY DOUBLE DENSITY IT CCD WITH DSP .
- DAY / NIGHT SWITCHING FROM COLOUR TO MONO IF PREFERRED OR LEAVE IN COLOUR BY MENU SETTING.
- DNR (DIGITAL NOISE REDUCTION) FOR IMPROVED LOW LIGHT PICTURE NOISE.
- OSD MENU FOR 4 BLC SETTINGS + 4 DNR SETTINGS. MOTION DETECTION. PRIVACY MASKING.
- LENS: 2.8mm~11mm AUTO IRIS VARIFOCAL.
- DIMENSIONS: 120(W) x 100(H)mm.
- DUAL DC12V / AC24V.

INTERNAL DOMES - WIDE DYNAMIC RANGE / SUPER HIGH RES / DNR / DSS / TDN

MDC8SHR/WDR/V

- COLOUR 580 TVL COLOUR / 700 TVL MONO - WIDE DYNAMIC RANGE & DIGITAL IMAGE STABILISER - SONY DS CCD WITH DSP
- 0.01 LUX OR 0.0002 LUX USING DSS (DIGITAL SLOW SHUTTER).
- TRUE DAY / NIGHT SWITCHING FROM COLOUR TO MONO IF PREFERRED OR LEAVE IN COLOUR BY MENU SETTING.
- DNR (DIGITAL NOISE REDUCTION) FOR IMPROVED LOW LIGHT PICTURE NOISE.
- DIGITAL ZOOM. PRIVACY ZONE SETTINGS. MOTION DETECTION.
- LENS: 4~9mm AUTO IRIS VARIFOCAL.
- DIMENSIONS: 140(W) x 100(H)mm.
- DC12V.

INTERNAL DOMES - DAY / NIGHT + IR LED'S

MDC2SPH/IR

- COLOUR HIGH RESOLUTION 480 TVL SONY DAY / NIGHT.
- 0.5 LUX SWITCHING TO MONO WITH 30 IR LED LUMINANCE.
- CLEAR NATURAL COLOUR AND IR ILLUMINATED LOW LIGHT. AUTO BLC. AUTO AGC.
- EASY SCREW CASING + SIMPLE CAMERA MODULE PAN / TILT.
- LENS: FIXED IRIS 4MM OR 6MM.
- DIMENSIONS: 100(W) x 75(H)mm.
- DC12V.

WALL BRACKETS FOR INTERNAL DOMES

- INTERNAL GRADE ACRYLIC FABRICATION.
- INTERNAL CABLE MANAGED WALL MOUNTS SUITABLE FOR ALL SIZE FVS INTERNAL DOMES.
- DWM2 FOR MDC1LCS / MDC2SPH/IR / MDC3SHR.
- DWM3 FOR MDC4SPH / MD5SPH / MDC6SHR / MDC8WDR.

MINI SIZED FULL BALL AXIS VANDAL RESISTANT COLOUR DOME

VRCL6SPH/MN

- COLOUR SONY SUPER HAD II - 550TVL SUPER HI RES CCD - 0.3 LUX. ONLY 90mm DIAMETER X 60mm HEIGHT.
- FULL AUTO AWB - AGC & BLC.
- LENS: 3.6mm FIXED WIDE ANGLE.
- 3 AXIS BALL TYPE INTERNAL GIMBAL FOR EASY ADJUSTMENT TO ANY ANGLE.
- CEILING OR WALL MOUNT.
- IP66 WEATHER RESISTANT.
- 90mm(D) X 60MM(H).
- DC12V.

VANDAL RESISTANT SUPER LOW LIGHT - COLOUR DOME

VRCL12SPH/VADC

- COLOUR SUPER HI RES SUPER LOW LIGHT - SONY DOUBLE DENSITY IT - 540TVL - 0.0002 LUX DSS.
- OSD MENU SETUP OF BLC - AGC AND AES.
- DYNAMIC NOISE REDUCTION (DNR) - 4 LEVELS.
- LENS: ASPHERIC AUTO IRIS VARIFOCAL 2.8~11mm WITH IRIS LEVEL ADJUSTMENT.
- 3 AXIS INTERNAL GIMBAL.
- VANDAL WALL BRACKET ALSO AVAILABLE - MODEL VRD/MOUNT.
- IP66 WEATHER RESISTANT.
- DUAL DC12V / AC24V .

VANDAL RESISTANT TRUE DAY / NIGHT COLOUR DOME

VRCL9EXV/DNV

- SUPER HI RES SONY EXVIEW HAD - 540TVL COLOUR / 570TVL MONO. 0.5 LUX COLOUR / 0.1 LUX MONO.
- DIP SWITCH CONTROL OF BLC, AWB AND DAY / NIGHT FILTER SWITCH DELAY TIME.
- AUTO AGC.
- LENS: AUTO IRIS ASPHERIC F1.2 - 2.5~6mm OR 3.8~9.5mm INTEGRAL VARIFOCAL WITH IRIS LEVEL ADJUSTMENT PORT.
- 3 AXIS INTERNAL GIMBAL.
- VANDAL WALL BRACKET ALSO AVAILABLE - MODEL VRD/MOUNT.
- IP66 WEATHER RESISTANT.
- DUAL DC12V/AC24V.

VANDAL RESISTANT COLOUR IR DOMES TRUE DAY / NIGHT WITH DNR

VRCL14SHR/IR

- SUPER HI RES SONY SUPER HAD II - 580TVL COLOUR / 700TVL MONO. 0.0004 LUX COLOUR / 0 LUX MONO (IR LED's ON).
- 36 IR LEDS' SWITCHED BY PHOTOCELL - 30M ILLUMINATION IN CLOSED AREA - 25M IN OPEN.
- MENU CONTROL OF ALL DOME FUNCTIONS INCLUDING BLC / AWB / AGC / SHUTTER / DSS / DNR.
- LENS: AUTO IRIS 2.8 - 11mm INTEGRAL VARIFOCAL.
- TEST MONITOR OUTPUT.
- EASY TWIST TRUE MULTI AXIS INTERNAL GIMBAL AND LENS ADJUSTMENT FOR MOUNTING ON HORIZONTAL AND VERTICAL SURFACES.
- VANDAL WALL BRACKET ALSO AVAILABLE - MODEL VRD/MOUNT.
- IP66 WEATHER RESISTANT.
- DUAL DC12V/AC24V.

VRCL15/IRDN

- SUPER HIGH RES SONY NEW SUPER HAD II - 560TVL COLOUR / 620TVL MONO. 0.2 LUX COLOUR / 0 LUX MONO (IR LEDS' ON).
- 18 HIGH LIGHT IR LEDS' SWITCHED BY PHOTOCELL - 30M IN CLOSED AREA - 25M IN OPEN.
- DIP SWITCH CONTROL OF BLC, AWB, AGC.
- LENS: AUTO IRIS ASPHERICAL F1.4 - 3.7~12mm INTEGRAL VARIFOCAL.
- IRIS LEVEL ADJUSTMENT PORT.
- TEST MONITOR OUTPUT.
- UTP OUTPUT.
- UNIQUE MULTI AXIS INTERNAL GIMBAL ADJUSTMENT FOR MOUNTING DOME ON HORIZONTAL OR VERTICAL SURFACE.
- IP67 WEATHER RESISTANT.
- DUAL DC12V/AC24V.

WALL BRACKETS FOR VANDAL EXTERNAL & STANDARD INTERNAL DOMES

VRD MOUNT

- EXTERNAL GRADE METAL FABRICATION.
  CABLE MANAGED VANDAL DOME WALL MOUNT FOR -
  VRCL9EXV/DNV / VRCL14SHR/IR & VRCL12SPH.

COLOUR DAY / NIGHT MINI IR VANDAL RESISTANT BALL TYPE DOME

VRCL3SPH/MR3

- EASY INSTALL COLOUR IP66 VANDAL DOME.
- SONY SUPER HAD - 420TVL WITH CDS SWITCHING DAY / NIGHT.
- 0.1 LUX OR 0 LUX WITH IR LEDs ON.
- 24 IR LEDS' SWITCHED BY CDS SENSOR - 15M ILLUMINATION IN CLOSED AREA - 10M IN OPEN.
- AUTO AGC.
- 3 AXIS BALL GIMBAL.
- LENS: 4.3MM WIDE ANGLE FIXED LENS.
- DIMENSIONS: 97(W) x 80H)mm.
- DC12V.

COLOUR DAY / NIGHT HIGH RESOLUTION IR VANDAL RESISTANT BALL TYPE DOME

VRCL4SPH/HR49V

- EASY INSTALL COLOUR IP66 VANDAL DOME.
- SONY SUPER HAD - 550TVL WITH CDS SWITCHING DAY / NIGHT.
- 0.1 LUX OR 0 LUX WITH IR LEDs ON.
- 45 IR LEDS' SWITCHED BY CDS SENSOR - 30M ILLUMINATION IN CLOSED AREA - 20M IN OPEN.
- AUTO AGC.
- 3 AXIS BALL GIMBAL.
- LENS: 4 ~ 9MM DAY / NIGHT AUTO IRIS VARIFOCAL.
- DIMENSIONS: 140(W) x 90H)mm.
- DC12V.

COLOUR TRUE DAY / NIGHT IR SUPER HI RESOLUTION DNR VANDAL BALL TYPE DOME

VRCL5SPH/HR/TDNV

- EASY INSTALL COLOUR IP66 VANDAL DOME.
- SONY SUPER HAD - 580TVL WITH CDS TRUE DAY / NIGHT FILTER SWITCHING.
- 0.1 LUX OR 0 LUX WITH IR LEDs ON.
- DNR (DYNAMIC NOISE REDUCTION)
- 45 IR LEDS' SWITCHED BY CDS SENSOR - 30M ILLUMINATION IN CLOSED AREA - 20M IN OPEN.
- AUTO AGC.
- 3 AXIS BALL GIMBAL.
- LENS: 3.5 ~ 16MM DAY / NIGHT AUTO IRIS VARIFOCAL.
- DIMENSIONS: 140(W) x 90H)mm.
- DC12V.

EXTERNAL OR INTERNAL MINIATURE BULLET STYLE SUPER LOW LIGHT B&W CAMERA

TOC340X/WP

- MONOCHROME FINGER SIZE - 400TVL - SPECIAL 0.003 SUPER LOW LUX - SONY EXVIEW.
- WIDE RANGE AES. AUTO BLC. AUTO AGC.
- LENS: CHOICE OF FIXED IRIS 2.9mm / 4.3mm / 6mm / 8mm / 12mm OR 16mm.
- IP65 WEATHER RESISTANT.
- SUPPLIED WITH INTEGRAL 25M POWER AND VIDEO CABLE AND MOUNTING BRACKET.
- DIMENSIONS: 50(L) x 23(D)mm. DC12V.

B&W SUPER LOW LIGHT IR LED CAMERAS

TOC360X

- MINIATURE SUPER LOW LIGHT IR LED - SONY EXVIEW - 400TVL.
- 8 IR LED's SWITCHED BY PHOTOCELL - 10M ILLUMINATION IN CLOSED AREA - 7M IN OPEN.
- 0.003 LUX/0 LUX WITH IR ON.
- WIDE RANGE AES. AUTO BLC. AUTO AGC.
- LENS: CHOICE OF FIXED IRIS 3mm / 4mm / 6mm / 8mm / 12mm / 16mm.
- IP65 WEATHER RESISTANT.
- REMOVABLE SUN / RAIN SHIELD AND MOUNTING BRACKET.
- DIMENSIONS: 50(L) x 30(D)mm.
- DC12V - 600mA RECOMMENDED FOR IR LED SWITCHING.

TOC400XS

- HIGHEST SENSITIVITY OF ANY MODEL - SUPERIOR LOW LIGHT - IR LED SONY EXVIEW - 400TVL.
- 20 IR LED's SWITCHED BY PHOTOCELL - 25M ILLUMINATION IN CLOSED AREA - 20M IN OPEN.
- 0.003 LUX / 0 LUX WITH IR LED's ON.
- WIDE RANGE AES. AUTO BLC. AUTO AGC.
- LENS: CHOICE OF FIXED IRIS 4mm OR 6mm.
- IP65 WEATHER RESISTANT.
- REMOVABLE SUN / RAIN SHIELD AND MOUNTING BRACKET.
- DIMENSIONS: 97(L) x 52.5(D)mm.
- DC12V - 1 AMP RECOMMENDED FOR IR LED SWITCHING.

EXTERNAL OR INTERNAL BULLET STYLE FULL COLOUR CAMERAS

WTC9SHR

- COLOUR FINGER SIZE - 520TVL HIGH RESOLUTION SONY SUPER HAD II.
- 0.5 LUX.
- WIDE RANGE AES.
- AUTO BLC.
- AUTO AGC.
- LENS: CHOICE OF 2.9mm / 4.3mm / 6mm / 8mm / 12mm OR 16mm FIXED IRIS.
- IP68 WEATHER RESISTANT.
- REMOVABLE SUN / RAIN SHIELD AND MOUNTING BRACKET.
- DIMENSIONS: 80(L) x 25(D)mm.
- DC12V.

WTC280SPH

- COLOUR - 480TVL HIGH RESOLUTION SONY SUPER HAD.
- 0.5 LUX.
- AUTO BLC.
- AUTO AGC.
- LENS: DIRECT DRIVE F1.6 9~22mm INTEGRAL VARIFOCAL FOR LONGER DISTANCE CLOSE UP VIEW.
- EASY EXTERNAL LENS FOCUS AND ANGLE ADJUSTMENT.
- IP66 WEATHER RESISTANT.
- REMOVABLE SUN / RAIN SHIELD AND MOUNTING BRACKET.
- DIMENSIONS: 111(L) x 60 (D)mm.
- DC12V.

IR LED COLOUR HQ DAY / NIGHT CAMERAS

WTC180SPH/DN

- LOW LIGHT IR LED - SONY SUPER HAD - 350TVL COLOUR / 400TVL MONO.
- 30 IR LED's SWITCHED BY PHOTOCELL - 20M ILLUMINATION IN CLOSED AREA - 12M IN OPEN.
- 0.5 LUX COLOUR / 0 LUX MONO WITH IR LED's ON.
- WIDE RANGE AES.
- AUTO BLC.
- AUTO AGC.
- LENS: 4mm OR 6mm FIXED IRIS DAY / NIGHT LENS.
- IP 66 WEATHER RESISTANT.
- REMOVABLE SUN / RAIN SHIELD AND MOUNTING BRACKET.
- DIMENSIONS: 100(L) x 60(D)mm.
- DC12V - 1 AMP RECOMMENDED FOR IR LED SWITCHING.

WTC400SHR/IR

- LOW LIGHT SUPER HIGH RESOLUTION IR LED - SONY SUPER HAD II CCD - 550TVL COLOUR / 570TVL MONO.
- 48 IR LED's SWITCHED BY PHOTOCELL - 30M ILLUMINATION IN CLOSED AREA - 25M IN OPEN.
- 0.5 LUX COLOUR / 0 LUX MONO WITH IR LED's ON.
- WIDE RANGE AES.
- AUTO BLC.
- AUTO AGC.
- LENS: 4mm OR 6mm FIXED IRIS DAY / NIGHT LENS.
- IP66 WEATHER RESISTANT.
- REMOVABLE SUN / RAIN SHIELD AND MOUNTING BRACKET.
- DIMENSIONS: 102(L) x 70(D)mm.
- DC12V - 1 AMP RECOMMENDED FOR IR LED SWITCHING.

B250HQ/IR

- TRUE DAY / NIGHT HIGH RESOLUTION IR LED - SONY SUPER HAD CCD - 520TVL COLOUR / 570TVL MONO.
- 8 HI LIGHT IR LED's SWITCHED BY PHOTOCELL - 30M ILLUMINATION IN CLOSED AREA - 20M IN OPEN.
- 0.06 LUX COLOUR / 0 LUX MONO WITH IR LED's ON.
- AUTO BLC.
- AUTO AGC.
- LENS: 3.8~9.5mm AUTO IRIS VARIFOCAL DAY / NIGHT LENS.
- IP66 WEATHER RESISTANT.
- SUN / RAIN SHIELD AND MOUNTING BRACKET.
- DIMENSIONS: 102(L) x 70(D)mm.
- DC12V - 1 AMP RECOMMENDED FOR IR LED SWITCHING.

IP CAMERA - INTERNAL PAN TILT AND ZOOM MODEL

THIS MODEL MAY BE USED WITH BOTH A WIRED OR A WIRELESS ROUTER

BL-C131E

- INTERNAL MODEL FOR WIRELESS OR WIRED CONNECTION TO ROUTER OR HUB.
- VIEW ON PC, LAPTOP, NETWORK OR INTERNET.
- RECORDING SOFTWARE SUPPLIED FOR PC.
- BUILT IN MICROPHONE FOR AUDIO MONITORING ON PC OR INTERNET.
- VARIABLE RESOLUTION MPEG4 OR MJPEG VIDEO STREAMING WITH AUDIO.
- REMOTE PAN -50º TO +50º AND REMOTE TILT -40º TO + 10º FOR USER VARIABLE VIEW WITH 10 x ZOOM BY USING MOUSE WHEEL.
- 1 LUX WITH AUTO SWITCHING COLOUR NIGHT VIEW MODE.
- PRIVACY BUTTON.
- PIR OR VIDEO MOTION DETECTION WITH E-MAIL OR FTP DATA TRANSFER BOTH WITH AUDIO NOTIFICATION OF RECEIPT.
- LENS: 49º HORIZONTAL x 37º VERTICAL POSITION ADJUSTABLE ON PTZ CONTROL.
- DIMENSIONS: 98(W) x 74(H) x 73(D)mm.

PRO IR LED TRUE DAY / NIGHT CAMERAS

WTC450IRSX/DN & WTC550IRSX/DN

- SUPER HI RES SONY EXVIEW HAD - 550TVL COLOUR / 580TVL MONO. 0.1 LUX COLOUR SWITCHING TO 0 LUX MONO WITH IR LED's ON.
- WTC450IRSX LENS: DIRECT DRIVE AUTO IRIS F1.2 - 3.8~9.5mm ASPHERICAL VARIFOCAL LENS + IRIS LEVEL PORT WITH 30 IR LED'S.
- WTC550IRSX LENS: DIRECT DRIVE AUTO IRIS F1.6 - 9~22mm LONGER RANGE VARIFOCAL LENS + IRIS LEVEL PORT WITH 42 IR LED'S.
- WTC450IRSX - 20M ILLUMINATION IN CLOSED AREA - 15M IN OPEN.
- WTC550IRSX - 25M IN CLOSED AREA - 35M IN OPEN.
- AUTO BLC. AUTO AGC.
- EASY EXTERNAL BODY RING TURN TO FOCUS LENS AND SET ANGLE OF VIEW.
- IP66 WEATHER RESISTANT WITH REMOVABLE SUN / RAIN SHIELD AND CABLE MANAGED MOUNTING BRACKET.
- DIMENSIONS: 120(L) x 70(W)mm.
- DUAL DC12V/AC24V. 1 AMP MINIMUM RECOMMENDED FOR IR LED SWITCHING.

CMD2530/DNIR

- SUPER HI RES SONY SUPER HAD II - 520TVL COLOUR / 580TVL MONO. 0.06 LUX COLOUR - 0 LUX MONO WITH IR LED'S.
- 8 PIECES HIGH POWER AL GAIN LONG LIFE IR LED FOR UP TO 25M VIEWING DISTANCE AT NIGHT SUBJECT TO REFLECTIVE SURFACES.
- LED METAL BOARD FOR LED HEAT DISSIPATION.
- TRUE DAY / NIGHT AUTO FILTER WITH CDS FOR SWITCHING OF LED'S. AUTO BLC. AUTO AGC.
- LENS: DIRECT DRIVE F1.2 3.8~9.5mm ASPHERICAL VARIFOCAL DAY / NIGHT LENS. OPTIONAL 9~22mm VARIFOCAL DAY / NIGHT LENS.
- EASY EXTERNAL LENS ADJUSTMENT BY TURNING FOCUS AND FOCAL LENGTH SCREWS ON FRONT BASE.
- IP66 WEATHER RESISTANT PRESSURE DIE CAST ALUMINIUM COMMERCIAL STYLE HOUSING.
- REMOVABLE SUN / RAIN SHIELD AND CABLE MANAGED MOUNTING BRACKET.
- DIMENSIONS: 250(L) x 230(HEIGHT TO BASE OF BRACKET WHEN WALL MOUNTED) x 90(W)mm.
- DC12V. 1 AMP.

WTC900X/SHR/TDN

- SUPER HI RES SONY WITH X-GEN MODULE - 580TVL COLOUR / 700TVL MONO. 0.0004 LUX COLOUR MINIMUM. 0 LUX MONO - IR LED's ON.
- LENS: DIRECT DRIVE AUTO IRIS F1.2 - 2.8~11mm ASPHERICAL VARIFOCAL LENS WITH IRIS LEVEL AND INTENSITY ADJUSTMENTS.
- 42 IR LED's SWITCHED BY PHOTOCELL - WIDE AND LONG ILLUMINATION IN BOTH OPEN AND CLOSED AREA - 30M + IN OPEN.
- FULL DNR IN LOW LIGHT.
- WIDE RANGING MENU ADJUSTMENT OF BLC - AGC - WHITE BALANCE - SENSITIVITY - PRIVACY ZONES AND SHARPNESS.
- EASY ADJUSTMENT OF LENS AND ALL FUNCTIONS EXTERNALLY UNDER ENGINEERS COVER + TEST MONITOR OUTPUT.
- IP66 WITH AIR VENTILATION TO STOP MISTING. REMOVABLE SUN / RAIN SHIELD & CABLE MANAGED MOUNTING BRACKET.
- DIMENSIONS: 166(L) x 83(W)mm. 246(L) INCLUDING BRACKET.
- DUAL DC12V/AC24V. 1 AMP MINIMUM RECOMMENDED FOR IR LED SWITCHING.

TPH 8000

- SUPER HI RES DOUBLE DENSITY SONY HQ1 SUPER HAD - 540TVL COLOUR / 580TVL MONO. 0.1 LUX COLOUR - 0 LUX MONO WITH IR LED'S.
- LENS: ASPHERICAL AUTO IRIS DIRECT DRIVE F1.2 - 3.8~9.5mm VARIFOCAL WITH IRIS LEVEL PORT. OPTIONAL 9~22mm VARIFOCAL.
- 6 PIECES SUPER POWER IR LED ON 3.8~9.5mm MODEL & 7 PIECES ON 9~22mm. THESE LED'S HAVE 10 X THE POWER OF NORMAL LED'S.
- AUTO BLC. AUTO AGC.
- DEPENDENT ON LENS CHOSEN THE LED's ARE ADJUSTABLE FROM 30M - 80M ILLUMINATION IN CLOSED AREA - 35M - 70M IN OPEN.
- LIGHTING DIFFERENTIAL CONTROL & PROTECTION CIRCUIT. HEAT DISSIPATION WITH EMBEDDED BLOWER.
- EASY LENS, LED INTENSITY, DAY / NIGHT SWITCHING DELAY & CAMERA ADJUSTMENT THROUGH EXTERNAL ENGINEERS DOOR.
- TEST MONITOR OUTPUT.
- IP66 WEATHER RESISTANT. SUN / RAIN SHIELD AND CABLE MANAGED MOUNTING BRACKET.
- DIMENSIONS: 210(LENGTH TO END OF SUNSHIELD) x 230(HEIGHT TO BASE OF BRACKET) x 100(W)mm.
- AC24V.

SK-P500EXV/DN

- SUPER HI RES SONY EXVIEW CCD - 550+TVL COLOUR / 600TVL MONO. 0.1 LUX COLOUR / 0 LUX MONO WITH IR LED's ON.
- LENS: DIRECT DRIVE AUTO IRIS 2.8~11mm ASPHERICAL VARIFOCAL WITH DC IRIS LEVEL ADJUSTMENT PORT.
- HI POWER IR LED's - 40M ILLUMINATION IN CLOSED AREA - 30M IN OPEN AREA. LED INTENSITY MAY BE ADJUSTED IF NECESSARY.
- 3 LEVEL SETTINGS FOR COLOUR / MONO FILTER CHANGE WITH IR LED's ON / OFF.
- 4 LEVEL OSD CONTROL FOR BLC. MIRROR IMAGE, FLICKER CONTROL AND COLOUR BARS.
- TEST MONITOR CONNECTION FOR EASY ADJUSTMENT OF CAMERA AND LENS PARAMETERS.
- DUAL HEATER. REMOVABLE SUN / RAIN SHIELD. IP65 MINI COMMERCIAL STYLE HOUSING WITH CABLE MANAGED BRACKET.
- DIMENSIONS: 77(W) x 79(H) + 172mm (TOTAL HEIGHT INC BRACKET).
- DUAL DC12V/AC24V. FOR EFFICIENT LED OPERATION 1 AMP PSU WITH AC24V PSU OR 1.25AMP WITH DC12V PSU RECOMMENDED.

SK-P750ZM/IR

- HI RES SONY SUPER HAD CCD - 480+ TVL COLOUR / 560TVL MONO. 0.5 LUX COLOUR / 0 LUX MONO WITH IR LED's ON.
- LENS: DIRECT DRIVE AUTO IRIS 10X OPTICAL ZOOM - 3.8~38mm + 10X DIGITAL ZOOM AUTO OR MANUAL FOCUS.
- ALL FUNCTIONS MAY BE CONTROLLED ON CAMERA OR BY DVR OR KEYBOARD USING A PELCO PROTOCOL.
- UP TO 64 PRESETS MAY BE PROGRAMMED FOR THE ZOOM ON ALARM WITH 4 DWELL TIMES.
- HI POWER IR LED's - 50M ILLUMINATION IN CLOSED AREA - 40M IN OPEN AREA. LED INTENSITY MAY BE ADJUSTED IF NECESSARY.
- 3 LEVEL SETTINGS FOR COLOUR / MONO FILTER CHANGE WITH IR LED's ON / OFF. 4 LEVEL OSD CONTROL FOR BLC.
- MIRROR IMAGE, FLICKER CONTROL AND COLOUR BARS.
- TEST MONITOR CONNECTION FOR EASY ADJUSTMENT OF CAMERA AND LENS PARAMETERS.
- DUAL HEATER. REMOVABLE SUN / RAIN SHIELD. IP65 MINI COMMERCIAL STYLE HOUSING WITH CABLE MANAGED BRACKET.
- DIMENSIONS: 77(W) x 79(H) + 172mm (TOTAL HEIGHT INC BRACKET).
- DUAL DC12V/AC24V. FOR EFFICIENT LED OPERATION 1 AMP PSU WITH AC24V PSU OR 1.25AMP WITH DC12V PSU RECOMMENDED.

IR LED LONG RANGE COLOUR CAMERA

NTIRM50

- SONY SUPER HAD - 350TVL COLOUR / 400TVL MONO.
- HI POWER PIRANHA IR LED's - 50M ILLUMINATION IN CLOSED AREA - 40M IN OPEN AREA.
- 0.05 LUX COLOUR / 0 LUX MONO WITH IR LED's ON.
- LENS: 25mm DAY / NIGHT FOR CLEAR VIEWING OF OBJECTS BETWEEN 25M & 50M.
- IP66 COPPER AND ALUMINIUM CASING. SPECIAL METAL BOARD TO DISSIPATE HEAT.
- NEW AL GAIN 0.25W HIGH POWER LONG LIFE LED's WITH AVERAGE LIFESPAN OF 5 YEARS WITH 11 HOUR A DAY OPERATION.
- INTEGRAL SUN / RAIN SHIELD - MOUNTING BRACKET INCLUDED.
- CONDENSER FOR BEAM AND INTENSITY OF LED LIGHT.
- DIMENSIONS: 210(L) x 95(D)mm.
- 12V DC REGULATED POWER - 1.5 AMP MINIMUM RECOMMENDED FOR HIGH POWER IR LED SWITCHING.

B&W BOARD CAMERA

VCM3602

- B&W MINIATURE HIGHLY SENSITIVE BOARD CAMERA FOR EXCELLENT LOW LIGHT PINHOLE LENS IMAGES.
- WIDE ANGLE PINHOLE LENS.
- AES + AUTO BLC AND AUTO AGC IN LOW LIGHT.
- AUDIO.
- DC12V.

COLOUR COVERT CAMERAS

VS11MCA

- COLOUR COVERT WORKING PIR CAMERA WITH 3 CAMERA ACTIVATION TIMES FOR MOTION PLUS ALWAYS ON OPTION.
- 350TVL TRUE COLOUR SONY SUPER HAD.
- AUTO AES.
- AUTO BLC. AUTO AGC.
- WIDE ANGLE PINHOLE BOARD LENS.
- AUDIO.
- DC12V.

VS12HRC/SV

- COLOUR COVERT DUMMY SMOKE DETECTOR CAMERA.
- 470TVL HIGH RESOLUTION.
- AUTO AES.
- AUTO BLC. AUTO AGC.
- WIDE ANGLE PINHOLE BOARD LENS.
- DC12V.

P/T/Z INTERNAL CAMERA OBSERVATION

CL1000SYS

CL1000HRZ CAMERA

- COLOUR - 480TVL HIGH RESOLUTION SONY SUPER HAD.
- INTEGRAL 22 x CANON 3.9mm~85.8mm HIGH OPTICAL QUALITY POWER ZOOM LENS
- 8X DIGITAL ZOOM GIVING TOTAL ZOOM AVAILABLE OF 176X.
- AUTO FOCUS WITH MANUAL OVERRIDE BY IR / CABLE AND CONTROLLER SUPPLIED.
- DIMENSIONS: 58(W) x 59.8(H) x 99.3(D)mm.

CL1000PTZ PAN / TILT HEAD

- PRECISION MADE PAN / TILT MODULE FOR WALL MOUNTING WITH BRACKET SUPPLIED.
- SINGLE TOTAL SYSTEM POWER SUPPLY AS CAMERA IS POWERED THROUGH PAN/TILT HEAD.
- IR REMOTE CONTROL.
- 30m REMOTE CABLE ALSO SUPPLIED AS STANDARD FOR INSTALLATIONS WHERE CAMERA IS OUT OF LINE OF SIGHT.
- 50m EXTENSION CABLE FOR ABOVE AVAILABLE AS ACCESSORY FOR LONG RUNS.
- 12V DC REGULATED POWER SUPPLY INCLUDED.
- DIMENSIONS: 140(D) x 120(H)mm.

P/T/Z INTERNAL DAY/NIGHT VANDAL RESISTANT SPEED DOME

HSD2000SPH

- COLOUR - 480TVL HIGH RESOLUTION SONY SUPER HAD.
- 22X OPTICAL (3.9mm~85.8mm) + 10X DIGITAL ZOOM.
- TRUE DAY NIGHT FILTER CHANGE FOR 1 LUX COLOUR SWITCHING TO 0.01 LUX MONO.
- 350º CAMERA PAN AND 90º TILT FROM DEDICATED CONTROLLER.
- MULTIPLE PROTOCOLS INCLUDING PELCO D AND P.
- 64 PRESETS.
- AUTO FOCUS.
- OSD MENU FOR ALL SET-UP OPTIONS INCLUDING SHUTTER SPEED - SENSITIVITY - BLC.
- DIGITAL SLOW SHUTTER (DSS).
- SWING AND GROUP TOUR SURVEILLANCE MODES.
- 24V AC POWER SUPPLY INCLUDED.
- DIMENSIONS: 189(D) x 224(H)mm.
- SUPPLIED WITH WALL MOUNT AND CEILING STRAIGHT POLE MOUNT - OTHER MOUNTING OPTIONS AVAILABLE.

P/T/Z EXTERNAL DAY / NIGHT VANDAL RESISTANT SPEED DOME

DYNAHAWK D7728S

- COLOUR - 520TVL HIGH RESOLUTION SONY SUPER HAD.
- VANDAL EXTERNAL IP66 CASING AND BUBBLE WITH WALL MOUNT INCLUDED.
- 30X OPTICAL (3.3mm~99mm) + 10X DIGITAL ZOOM.
- 360º ENDLESS PAN.
- 10~190º TILT.
- TRUE DAY NIGHT FILTER CHANGE FOR 0.6 LUX COLOUR SWITCHING TO 0.1 LUX MONO.
- 256 PRESETS. CRUISE x 1. SEQUENCE x 8. AUTOPAN x 4.
- AUTO FOCUS.
- 8 ALARM INPUTS. 1 RELAY OUTPUT.
- AUTOPAN.
- BLC. OSD FOR CAMERA FUNCTIONS OF VARIABLE BLC - AGC - SHUTTER SPEED.
- DIGITAL SLOW SHUTTER (DSS).
- AUTO FLIP.
- 4 PRIVACY ZONES.
- MULTIPLE PROTOCOLS INCLUDING PELCO D AND P TO SUIT DVR's.
- 24V AC POWER SUPPLY INCLUDED.
- DIMENSIONS: 172(D) x 303(H)mm.
- OPTIONAL GOOSENECK, SWANNECK, POLE & CORNER MOUNT. OPTIONAL SINGLE COAX TELEMETRY CONTROL.

3 AXIS DOME CONTROL JOYSTICK KEYBOARDS

DKC-2100

FOR USE WITH HSD2000SPH DOME

- 3-AXIS JOYSTICK CONTROL OF PAN / TILT AND ZOOM.
- CONTROL UP TO 255 DEVICES.
- FUNCTION DISPLAY SCREEN.
- MENU SET-UP FOR ALL PRESETS AND TOUR MODES.
- RS485 COMMUNICATION AND KEYBOARD PROTOCOL CHANGE FACILITY.

D7313H

FOR USE WITH DYNAHAWK D7728K

- 3-AXIS JOYSTICK CONTROL OF PAN / TILT AND ZOOM.
- DVR AND DOME CONTROL.
- CONTROL UP TO 255 DEVICES.
- FUNCTION DISPLAY SCREEN.
- MENU SET-UP FOR ALL PRESETS AND TOUR MODES.
- FIRMWARE UPGRADE VIA RS-232 PORT.
- SUPPORTS PELCO D, PELCO P, AND DSCP PROTOCOLS FOR DYNAHAWK DOMES.
- PASSWORD PROTECTION AND KEY-LOCK FUNCTION.

DOME ACCESSORIES

SWAN NECK

GOOSE NECK

CORNER MOUNT

POLE MOUNT

INTERNAL CEILING POLES

EXTERNAL POWER SUPPLY

COAX TELEMETRY CONVERTERS

PRO LCD VIDEO MONITORS

LCD070PRO2

- 7" A - GRADE LCD PANEL. 1440 x 234 PIXEL RESOLUTION.
- 400 NIT HIGH BRIGHTNESS 16:9 ASPECT.
- INPUT CONNECTORS: 2 COMPOSITE VIDEO AND 2 AUDIO.
- 12V DC - POWER ADAPTOR SUPPLIED. 17W POWER CONSUMPTION.
- DIMENSIONS: 212(W) x 129(H) x 28(D)MM.

LCD170/SHC

- 17" A - GRADE LCD PANEL.
- 1280 x 1024 PIXEL RESOLUTION (VARIABLE).
- 500:1 CONTRAST - 350 NITS BRIGHTNESS.
- RESPONSE TIME 8MS.
- INPUT CONNECTORS: 1 COMPOSITE VIDEO WITH LOOP OUT - S-VIDEO IN - VGA IN.
- BASE STAND + VESA FITTING FOR WALL MOUNTS.
- 12V DC - POWER ADAPTOR SUPPLIED
- DIMENSIONS: 450(W) x 435(H) x 55(D)MM EX BASE STAND.

LCD190/SHC

- 19" A - GRADE LCD PANEL.
- 1280 x 1024 PIXEL RESOLUTION (VARIABLE).
- 700:1 CONTRAST - 350 NITS BRIGHTNESS.
- RESPONSE TIME 8MS.
- INPUT CONNECTORS: 1 COMPOSITE VIDEO WITH LOOP OUT - S-VIDEO IN - VGA IN.
- BASE STAND + VESA FITTING FOR WALL MOUNTS.
- 12V DC - POWER ADAPTOR SUPPLIED
- DIMENSIONS: 490(W) x 480(H) x 55(D)MM EX BASE STAND.

PR02 METAL CHASSIS LCD VIDEO MONITORS

LCD104PRO/AV2

- 10.4" SCREEN. 1024 x 768 PIXEL RESOLUTION (VARIABLE).
- 500:1 CONTRAST - 350 NITS BRIGHTNESS.
- RESPONSE TIME 25MS.
- 2 x COMPOSITE VIDEO BNC INPUTS WITH LOOPING OUTPUTS. S-VIDEO INPUT AND OUTPUT.
- VGA INPUT.
- 2 x AUDIO INPUT AND OUTPUT (L&R). 3D DE-INTERLACE. 3D COMB FILTER.
- REAR FOLDING STAND + VESA FITTING FOR WALL MOUNTS.
- 12V DC - 35W POWER CONSUMPTION - ADAPTOR SUPPLIED.
- DIMENSIONS: 261(W) x 224(H) x 63(D)MM.

LCD15PRO/AV2

- 15.1" SCREEN. 1280 x 1024 PIXEL RESOLUTION (VARIABLE).
- 800:1 CONTRAST - 290 NITS BRIGHTNESS.
- RESPONSE TIME 8MS.
- 2 x COMPOSITE VIDEO BNC INPUTS WITH LOOPING OUTPUTS. S-VIDEO INPUT AND OUTPUT. VGA INPUT.
- 2 x AUDIO INPUT AND OUTPUT (L&R).
- 3D DE-INTERLACE + 3D COMB FILTER
- REAR FOLDING STAND + VESA FITTING FOR WALL MOUNTS.
- AC96~256V - 35W POWER CONSUMPTION.
- DIMENSIONS: 299(W) x 356(H) x 82(D)MM.

LCD171PRO/AV2

- 17.1" SCREEN. 1280 x 1024 PIXEL RESOLUTION (VARIABLE).
- 800:1 CONTRAST - 290:1 BRIGHTNESS.
- RESPONSE TIME 8MS.
- 2 X COMPOSITE VIDEO BNC INPUTS WITH LOOPING OUTPUTS. S-VIDEO INPUT AND OUTPUT. VGA INPUT.
- 2 x AUDIO INPUT AND OUTPUT (L&R).
- 3D DE-INTERLACE + 3D COMB FILTER.
- REAR FOLDING STAND + VESA FITTING FOR WALL MOUNTS.
- AC96~256V - 40W POWER CONSUMPTION.
- DIMENSIONS: 396(W) x 342(H) x 87(D)MM.

LCD191PRO/AV2

- 19.1" SCREEN. 1280 x 1024 PIXEL RESOLUTION (VARIABLE).
- 700:1 CONTRAST - 270 NIT BRIGHTNESS.
- RESPONSE TIME 8MS.
- 2 X COMPOSITE VIDEO BNC INPUTS WITH LOOPING OUTPUTS. S-VIDEO INPUT AND OUTPUT. VGA INPUT.
- 2 x AUDIO INPUT AND OUTPUT (L&R)
- 3D DE-INTERLACE + 3D COMB FILTER.
- REAR FOLDING STAND + VESA FITTING FOR WALL MOUNTS.
- 12V DC - 40W POWER CONSUMPTION - ADAPTOR SUPPLIED.
- DIMENSIONS: 396(W) x 425(H) x 76(D)MM.

VGA MONITORS SUITABLE FOR DVR VGA OUTPUT

15" VGA MONITOR

- TYPICAL SPECIFICATION - MANUFACTURERS AND MODELS VARY DURING THE YEAR.
- 15" A GRADE LCD PANEL BOTH 4:3 AND WIDESCREEN. 1280 x 1024 PIXEL RESOLUTION (VARIABLE HIGHER AND LOWER).
- 450:1 CONTRAST - 250 BRIGHTNESS (MINIMUM SPECIFICATION).
- RESPONSE TIME 15MS.
- INPUT CONNECTORS - VGA ON STANDARD D-SUB.
- BASE STAND + VESA WALL MOUNTS.
- 120~230V AC - 30W POWER CONSUMPTION.
- DIMENSIONS: 380(W) x 230(D) x 390(H)MM. (USUAL BUT MAY VARY SLIGHTLY).
- WEIGHT 4KG.

17" 19" & 22" VGA MONITORS

- TYPICAL SPECIFICATION - MANUFACTURERS AND MODELS VARY DURING THE YEAR.
- 17" 19" & 22" A GRADE LCD PANEL. 1280 x 1024 PIXEL RESOLUTION.
- 500~10000:1 CONTRAST RATIO – 250~300 BRIGHTNESS (NORMAL SPECIFICATION).
- RESPONSE TIME 5~15MS.
- INPUT CONNECTORS - VGA.
- BASE STAND + VESA WALL MOUNT.
- 230V AC - 40W + POWER CONSUMPTION.
- DIMENSIONS: 440(W) x 300(D) x 390(H)MM TYPICAL. (SMALLER FOR 17" MODELS AND LARGER FOR 22" MODELS).
- WEIGHT 5KG +.

LCD MONITOR VESA MOUNTS

7510 FLAT MOUNT WALL PLATE

7511 TILT WALL MOUNT

7513 DOUBLE ARM WALL MOUNT

7518 PAN & TILT WALL MOUNT

2532 CEILING BRACKET

VHS TIME LAPSE ANALOGUE VIDEO TAPE RECORDERS

CTR4960E

UP TO 960 HOUR VIDEO TIMELAPSE RECORDING WITH AUDIO IN 24 HOUR MODE

VARIABLE RECORD TIMES	• 3 HRS / 12 HRS / 24 HRS WITH AUDIO. 72 HRS / 96 HRS / 120 HRS / 168 HRS / 480 HRS / 960 HRS.
ON-SCREEN DISPLAY	• ALL FUNCTIONS ARE DISPLAYED ON SCREEN.
JOG/SHUTTLE	• EASY CONTROL WITH SMOOTH JOG / SHUTTLE FRONT DIAL.
TIME & DATE DISPLAY	• TIME AND DATE ARE DISPLAYED ON LIVE AND RECORDED IMAGES.
EFFICIENT PLAYBACK	• FORWARD AND REVERSE PLAY USING THE JOG / SHUTTLE DIAL PLUS SINGLE FRAME SWITCHING.
TIMER RECORDING	• EASY SETTING OF TIMER RECORDING.
ALARM RECORD	• ALARM RECORDING WITH ALARM INPUT / OUTPUT CONNECTORS. ACTIVATION EVEN WHEN VCR IS OFF.
ALARM SEARCH	• USER MAY DISPLAY LAST 16 ALARM INCIDENTS. LIST WILL OVERWRITE AFTER 16 INCIDENTS.
AUTO REWIND	• OPTIONAL AUTO REWIND AND RECORD AT THE END OF A TAPE.
OPERATING VOLTAGE	• 100~240V AC.
POWER CONSUMPTION	• 15W.
DIMENSIONS	• 360W x 94H x 270D.
WEIGHT	• 3.8KG.

COLOUR QUAD DISPLAY PROCESSOR

CQ95

DISPLAY - 4 CAMERAS AS QUAD. SINGLE CAMERA. PIP DUAL PICTURE DISPLAY (50% OF EACH) WITH PAN TO REMAINING 50% + SEQUENCING ALL WITH TIME & DATE OVERLAY

IMAGE DISPLAY	• ALL DISPLAY MODES ARE REAL TIME WITH A PIXEL RESOLUTION OF 720 x 576.
PIP	• ANY CAMERA MAY BE SUPERIMPOSED AS A SMALL IMAGE OVER A CORNER OF A SINGLE CAMERA DISPLAY.
DUAL DISPLAY MODE	• 2 CAMERA SPLIT (50% OF IMAGE ON SCREEN AT ANY TIME WITH FACILITY TO MOVE ACROSS REMAINING 50%) .
LIVE SWITCHING	• ALL CONNECTED CAMERAS MAY BE SET TO SEQUENCE WITH ADJUSTABLE SWITCHING TIME.
RECORD PLAYBACK	• IF THE QUAD OUTPUT IS RECORDED THEN THE DIGITAL CIRCUITRY WILL ALLOW SINGLE CAMERA PLAYBACK AS A DIGITAL IMAGE.
MOTION DETECTION	• BASIC MOTION DETECTION SETTING.
ALARM INPUTS	• 4 ALARM INPUTS ON REAR WITH 1 RELAY OUTPUT.
REMOTE CONTROL	• IR REMOTE CONTROL.
POWER	• 12V DC - ADAPTOR SUPPLIED.
DIMENSIONS	• 220(W) x 44(H) x 210(D).
WEIGHT	• 650g

VARIABLE TIME AUTO SWITCHER - VIDEO & AUDIO

SW8A

AV INPUTS	• 1 - 8 CAMERA WITH BNC INPUTS PLUS 1 - 8 AUDIO PHONO LINE INPUTS. ANY CAMERA(S) OR AUDIO INPUTS MAY BE SWITCHED OUT OF THE SEQUENCE.
AV OUTPUTS	• 2 OUTPUTS FOR SEQUENCING VIDEO AND 2 OUTPUTS FOR AUDIO.
TIMED SWITCHING	• SIMPLE ROTARY ADJUSTMENT FOR SWITCHING TIME.
POWER	• 240V AC.
DIMENSIONS	• 220(W) x 45(H) x 200(D).
WEIGHT	• 1KG.

DATE TIME AND CAMERA NAME OVERLAY CONSOLE

VTD100 TIME / DATE / ID GENERATOR

- PROFESSIONAL TIME AND DATE GENERATOR.
- THIS UNIT WILL OVERLAY - ON ANY COMPOSITE VIDEO SIGNAL - YEAR, MONTH, DAY, HOUR, MINUTE & SECOND PLUS CAMERA ID.

WIRE FREE HIGH POWER VIDEO / AUDIO TRANSMITTER / RECEIVER KIT

AJ8700 TRANSMITTER

- COMPLETE KIT IN THE 2.4GHz WAVEBAND.
- DESIGNED FOR LONGER RANGE INSTALLATIONS UP TO 800M OPEN SITES DEPENDANT ON WEATHER CONDITIONS.
- 12 PROGRAMMEABLE FREQUENCIES TO ALLOW UP TO 12 SEPARATE TRANSMITTER / RECEIVERS TO WORK WITHIN THE SAME AREA.
- SUPPLIED WITH TRANSMITTER MULTI PIN CONNECTER PLUS AV CABLE SET, CHARGER & POWER ADAPTOR.

AJ8700 RECEIVER

HI SPECIFICATION IP 66 IR ILLUMINATOR

IR60

- MIXTURE OF WIDE ANGLE AND LONG RANGE SUPER POWER LED'S FOR ILLUMINATION UP TO 50M.
- HEATER AND FAN FOR LONG LIFE AND NO GLASS CONDENSATION.
- BEAM INTENSITY ADJUSTMENT FOR LONG AND SHORT DISTANCE ILLUMINATION.
- CAST ALLOY HOUSING FOR GOOD VANDAL RESISTANCE.
- 24V AC WITH MINIMUM 1 AMP POWER REQUIREMENT.
- MOUNT ON ITS OWN OR UNDER HOUSING - ORDER REF: IR60 - SINGLE IR LAMP WITH HEAVY DUTY WALL BRACKET.
  TPH1810 - SINGLE IR LAMP WITH TPH1000 HOUSING & UNDER HOUSING BRACKET.
  TPH1820 - DUAL IR LAMPS WITH TPH1000 HOUSING & UNDER HOUSING BRACKET.
- DIMENSIONS: 210(L) x 100(D)mm. IF BRACKET USED THEN HEIGHT TO BASE OF BRACKET IS 230mm.

TPH1810

TPH1000 HOUSING + IR60 IR ILLUMINATOR + UNDER HOUSING FITTING

TPH1820

TPH1000 HOUSING + 2 X IR60 IR ILLUMINATORS + UNDER HOUSING FITTINGS

VIDEO COAX CABLE (RG59 / RG6 / RG11) LINE AMPLIFICATION + DUO LINK

BIWAVE VDS2100

- VIDEO LINE AMPLIFICATION UP TO 350M WITH RG59 OR 500M WITH RG11.
  12V DC POWER FOR NON IR LED CAMERAS CAN ALSO BE CARRIED FOR 80M WITH RG59 OR 300M WITH RG11.
  SUPPLIED COMPLETE WITH POWER SUPPLY UNIT.

BIWAVE DUOLINK VDS2510

- 2 CAMERA DUO LINK TRANSMISSION AND AMPLIFICATION KIT. SEND 2 VIDEO SIGNALS + 2 AUDIO + 2 ALARMS + 12V DC POWER
  ALL MULTIPLEXED DOWN A SINGLE VIDEO COAX RG59 / RG6 OR RG11 CABLE. LINK CABLE PROTECTION BUILT IN.
  VIDEO / AUDIO & ALARM TRANSMISSION DISTANCE UP TO 600M USING RG11, 400M WITH RG6, 100~150M WITH RG59.
  IF POWER TRANSMISSION IS NEEDED YOU MUST DEDUCT 30% FROM VIDEO RUN DEPENDANT ON CAMERA POWER DRAW.
  SYSTEM IS SUPPLIED WITH TRANSMITTER - RECEIVER AND POWER SUPPLY.

CA-404-2

- STANDARD 4 CAMERA VIDEO AMPLIFIER. 4 VIDEO INPUTS - 4 AMPLIFIED VIDEO OUTPUTS. 10dB VIDEO GAIN PLUS HF COMPENSATION
  MAINTAIN SIGNAL STRENGTH TO 300M USING RG59 & 800M USING RG11 VIDEO COAX CABLE. ADJUSTABLE BRIGHTNESS & SHARPNESS
  OPERATES ON 12V DC. POWER SUPPLY PROVIDED.

CD-102A

- DISTRIBUTION AMPLIFIER. 1 VIDEO INPUT - 2 OUTPUTS. 10dB VIDEO GAIN PLUS HF COMPENSATION TO
  MAINTAIN SIGNAL STRENGTH TO 500M. ADJUSTABLE BRIGHTNESS AND IMAGE SHARPNESS.
  OPERATES ON 12V DC OR 24V AC VOLTAGE. DC POWER SUPPLY PROVIDED.

CD-104-2

- DISTRIBUTION AMPLIFIER. 1 VIDEO INPUT - 4 VIDEO OUTPUTS. 10dB VIDEO GAIN.
  OPERATES ON 12V DC. POWER SUPPLY PROVIDED.

CD-108-2

- DISTRIBUTION AMPLIFIER. 1 VIDEO INPUT - 8 VIDEO OUTPUTS. 10dB VIDEO GAIN.
  OPERATES ON 12V DC. POWER SUPPLY PROVIDED.

CD-408-2

- DISTRIBUTION AMPLIFIER. 4 VIDEO INPUTS EACH SPLIT TO 2 OUTPUTS. 10dB VIDEO GAIN.
  OPERATES ON 12V DC. POWER SUPPLY PROVIDED.

CD-408A

- DISTRIBUTION AMPLIFIER. 4 VIDEO INPUTS EACH SPLIT & AMPLIFIED TO 2 OUTPUTS. 10dB VIDEO GAIN PLUS HF COMPENSATION
  TO MAINTAIN SIGNAL STRENGTH TO 1000M. ADJUSTABLE BRIGHTNESS & SHARPNESS.
  OPERATES ON 12V DC. POWER SUPPLY PROVIDED.

CAT 5 TWISTED PAIR VIDEO TRANSMISSION

TTP-111VT

PASSIVE

- VIDEO TRANSCEIVER - PASSIVE. BNC MALE - 2 TERMINAL CONNECTORS FOR CAT 5 UTP CABLE.

TTP-111VL

- VIDEO TRANSCEIVER - PASSIVE. 25CM BNC MALE - 2 TERMINAL CONNECTORS. IP65 WEATHERPROOF.
  NORMALLY USED FOR CONNECTION TO A DVR OR OTHER PROCESSOR FROM CAMERA.

TTP-414V

- 4 PORT TRANSCEIVER - PASSIVE. 4 BNC FEMALE - 1 RJ45 + 8 PIN TERMINAL BLOCK.
  4 PASSIVE TRANSCEIVERS IN ONE UNIT FOR USE AS A 4CH VIDEO TRANSMITTER / RECEIVER HUB
  WITH CHOICE OF RJ45 OR PUSH PIN TERMINALS FOR CABLE CONNECTION.

TTP-444V

- 4 PORT TRANSCEIVER - PASSIVE. 4 BNC FEMALE - 4 RJ45 FEMALE.
  4 PASSIVE TRANSCEIVERS IN ONE UNIT FOR USE AS A 4CH VIDEO TRANSMITTER / RECEIVER HUB WHEN RJ45 CONNECTORS
  ARE PREFERRED.

ACTIVE

TTA-111AV-KIT

- VIDEO TRANSMITTER + RECEIVER KIT - ACTIVE.
  TRANSMIT VIDEO, AUDIO & DATA LONG RANGE - MAX 1.2KM COLOUR OR 2KM MONO.
  BNC VIDEO, PHONO AUDIO + TERMINAL CONNECTOR FOR VIDEO, AUDIO & DATA. TRANSIENT PROTECTION AND GROUND LIFTING.
  POWER CONNECTION BY SCREW TERMINALS OR DC SOCKET. 3 POSITION DISTANCE ATTENUATOR SWITCH ON TRANSMITTER
  PLUS 5 POSITION DISTANCE SHARPNESS SWITCH ON RECEIVER + BRIGHTNESS CONTROL AND DUAL VIDEO OUTPUT.
  POWER SUPPLY INCLUDED.

TTA-111AVT

- VIDEO ACTIVE TRANSMITTER.
  FOR CAMERA END USE WHEN COMBINED WITH AN ACTIVE OR PASSIVE RECEIVER OR HUB.
  BNC INPUT PLUS TERMINAL OUTPUT CONNECTOR FOR VIDEO & POWER. 3 POSITION RANGE SWITCH.
  POWER SUPPLY INCLUDED.

WC-414

ACCESSORY CONNECTING CABLE FROM 4 PORT HUB TO DVR / MONITORS.

- 4 BNC MALE CONNECTORS TO 4 BNC MALE CONNECTORS. READY MADE COAX FOR QUICK
  INSTALLATION. ESPECIALLY USEFUL WITH ALL PASSIVE AND ACTIVE HUBS.

CAMERA HOUSINGS - CAMERA BRACKET - DVR SECURITY CABINET

TRANSPAC TPH1000

- EXTRUDED ALUMINIUM EXTERNAL HOUSING.
  SEMI CABLE MANAGED MOUNTING BRACKET.
  IP66 WEATHERPROOF RATING.
  CHOICE OF BUILT IN HEATER: 230V MAINS OR DUAL DC12V / AC24V LOW VOLTAGE.
  INTERNAL SIZE: 90(W) x 70(H) x 230(L)MM.
  WEIGHT: 2.5KG (HOUSING & BRACKET)

MVH106

- MINI VANDAL RESISTANT WEDGE HOUSING.
  SUITABLE FOR SELF BUILD BOARD CAMERA & LENS.
  IP66 WEATHERPROOF RATING.
  DC12V LOW VOLTAGE HEATER.
  INTERNAL SIZE: 87(W) x 116(H) x 175(D)MM.
  WEIGHT: 1KG

F6HD - F4HD

- INTERNAL CAMERA MOUNTING BRACKETS.
  STEEL SWIVEL HEAD.
  COLOUR IVORY AND WHITE.
- MODEL F4HD: 100MM(L) MAX. LOAD 2KG.
- MODEL F6HD: 140MM(L) MAX. LOAD 5KG.

VSC-10

- DVR SECURITY ENCLOSURE.
  CONSTRUCTED FROM IVORY COLOUR POWDER COATED STEEL WITH RADIAL LOCK AND HOOKED CAM.
  VENTED BOTH SIDES AND WITH REAR SLITS FOR CABLING.
  SIZE EXTERNAL: 510(W) x 185(H) x 530(D)
  SIZE INTERNAL: 505(W) x 160(H) x 505(D)
  WEIGHT: 10.9KG.

POWER - CABLE - PLUGS - ADAPTORS - TOOLS - DATA KITS - SIGNS

SELECTION OF 12V DC AND 24V AC POWER SUPPLIES SUITABLE FOR CCTV INSTALLATIONS :

POWER SUPPLIES

DC MODELS

- DC12VPI: PLUG-IN 12V DC 500MA REGULATED POWER SUPPLY WITH DC JACK OUTPUT.
- IND12DC1: 1 AMP CCTV IN LINE REGULATED THERMAL POWER SUPPLY FOR 12V DC CCTV CAMERAS.
- IND13.4DC1: 1 AMP CCTV IN LINE REGULATED THERMAL POWER SUPPLY FOR 12V DC IR LED CAMERAS AND LONG CABLE RUNS.
- DC12SM: IN LINE 12V DC 1 AMP SWITCHED MODE REGULATED POWER SUPPLY FOR 12V DC CAMERAS.
- DC12/4RBX: BOXED 12V DC 4AMP REGULATED POWER SUPPLY. USE FOR 8 x 500MA OR 4 x 1 AMP OUTPUTS.
- DC412/5RBX: BOXED 12V DC 5 AMP REGULATED POWER SUPPLY. USE FOR 4 x 1.25AMP OUTPUTS.
- DC912/10RBX: BOXED 12V DC 10 AMP REGULATED POWER SUPPLY. USE FOR 9 x 1 AMP OUTPUTS.

AC MODELS

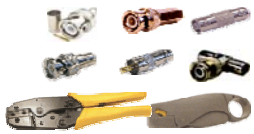
- AC24VPI: PLUG-IN 24V AC 300MA POWER SUPPLY WITH JACK PLUG POWER OUTPUT.
- IND24AC1: 1AMP CCTV IN LINE REGULATED THERMAL POWER SUPPLY FOR 24V AC CAMERAS.
- IND24AC2: 2AMP CCTV IN LINE REGULATED THERMAL POWER SUPPLY FOR 24V AC USE.
- AC24/4BX: BOXED 24V AC 4AMP POWER SUPPLY. USE FOR 4 x 1 AMP OR 1 x 4 AMP.

SELECTION OF HIGH GRADE CABLES SUITABLE FOR CCTV INSTALLATIONS :

CCTV CABLES

- RG59 HIGH GRADE 75 OHM VIDEO COAX - SUPPLIED IN BLACK. 100M, 200M, 500M.
- RG59 WITH DC CABLE HIGH GRADE 75 OHM VIDEO COAX + 0.5MM DC CABLE - SUPPLIED IN BLACK . 100M.
- BELDEN 9534 EQUIVALENT - 4 CORE SCREENED HIGH GRADE DATA CABLE - 100M (200M / 300M REELS TO ORDER).
- MULTICORE - 4 CORE INDIVIDUALLY SCREENED. 100M REELS.
- POWER - 0.5MM 2 CORE FOR LOW VOLTAGE AC OR DC POWER. 100M REELS.
- CAB10VDC - 10M HIGH GRADE & FLEXIBLE BNC VIDEO MINI COAX & DC POWER CABLE.
- CAB20VDC - 20M HIGH GRADE & FLEXIBLE BNC VIDEO MINI COAX & DC POWER CABLE.
- CAB40VDC - 40M HIGH GRADE & FLEXIBLE BNC VIDEO MINI COAX & DC POWER CABLE.

SELECTION OF HIGH GRADE CONNECTORS AND TOOLS SUITABLE FOR CCTV INSTALLATIONS:



PLUGS - ADAPTORS
TOOLS

- BNC CRIMP PLUG FOR RG59 VIDEO COAX CABLE - SOLD INDIVIDUALLY OR IN PACKS OF 100.
- BNC TWIST-ON PLUG FOR VIDEO COAX CABLE - SOLD INDIVIDUALLY.
- BNC LINE ADAPTOR (JOINER) - SOLD INDIVIDUALLY.
- BNC - PHONO ADAPTOR - SOLD INDIVIDUALLY.
- PHONO - BNC ADAPTOR - SOLD INDIVIDUALLY.
- BNC - T ADAPTOR - SOLD INDIVIDUALLY.
- CRIMP TOOL - FOR BNC CRIMP PLUG CONNECTION TO RG59 VIDEO COAX CABLE.
- CABLE STRIPPER - FOR RG59 VIDEO COAX CABLE.

SECURITY SIGNS AND KITS:

CCTV DATA KITS
CD-R'S - CCTV SIGNS

- DVD DATA PROTECTION KITS WITH 50 DVD'S WITH CASES, 25 TAMPER SEALS, 25 - 3 PART REPORT FORMS AND 10 SUBJECT ACCESS REQUESTS.
- IMATION CD-R DISKS FOR DIGITAL RECORDING EVIDENCE COPY (BOX OF 10)
- 1GB USB FLASH MEMORY STICK FOR DIGITAL RECORDING EVIDENCE COPY.
- 8GB USB FLASH MEMORY STICK FOR DIGITAL RECORDING EVIDENCE COPY.
- CCTV WARNING SIGN: A4 SIZE - YELLOW / BLACK.
- CCTV WARNING STICKER: 100MM x 75MM - YELLOW / BLACK.
- CCTV WARNING SIGN LARGE SIZE: 600MM(W) x 450MM(H) - RED / WHITE.

ENGINEERS COLOUR TEST MONITOR

TFT408LCD/SHC

- 4.2" HIGH GRADE COLOUR TEST MONITOR IN LEATHER CASE WITH SUNSHIELD.
  POWERED BY RECHARGEABLE BATTERIES.
  USE WITH WRIST OR NECK STRAP.
  BNC VIDEO INPUT AND OUTPUT.
  PHONO AUDIO INPUT AND OUTPUT.
  BRIGHT AND WELL DEFINED IMAGE.
  SUPPLIED WITH CHARGER AND ONE SET OF BATTERIES.
  DIMENSIONS: 155MM(L) x 110MM(W) x 45MM(D)
  WEIGHT: 950G

CAMERA LENSES

STANDARD CAMERA LENSES FOR NON IR USE

TVR2314DC

- HIGH OPTICAL QUALITY DISTINGUISHES THIS SUPER WIDE VARIFOCAL LENS.

• FOCAL LENGTH:	2.3~6.0MM	- ANGLE OF VIEW (HORIZONTAL):	114~48º.
APERTURE (F):	1.4~360	- MINIMUM IMAGE DISTANCE:	0.2M.
LENS MOUNT:	CS	- IMAGE FORMAT:	1/3" CCD.
MAX. DIMENSIONS:	48(D) x 55MM(L)	- WEIGHT:	110G.

EVD0358A

- GOOD QUALITY BULK STANDARD VARIFOCAL LENS WITH WIDE RANGE OF VIEWING ANGLES.

• FOCAL LENGTH:	3.5~8.0MM	- ANGLE OF VIEW (HORIZONTAL):	81~35º.
APERTURE (F):	1.4~360	- MINIMUM IMAGE DISTANCE:	0.1M.
LENS MOUNT:	CS	- IMAGE FORMAT:	1/3" CCD.
MAX. DIMENSIONS:	44(D) x 46MM(L)	- WEIGHT:	100G.

EVD05100A

- GOOD QUALITY LENS FOR USERS WITH WIDE TO SUPER TELEPHOTO REQUIREMENTS.

• FOCAL LENGTH:	5.0~100MM	- ANGLE OF VIEW (HORIZONTAL):	52~2.9º.
APERTURE (F):	1.8~360	- MINIMUM IMAGE DISTANCE:	0.2M.
LENS MOUNT:	CS	- IMAGE FORMAT:	1/3" CCD.
MAX. DIMENSIONS:	51(D) x 89MM(L)	- WEIGHT:	245G.

IR CORRECTED DAY / NIGHT LENSES (ALSO SUITABLE FOR NORMAL DAYLIGHT VIEWING)

TVR2514DC-IR

- GOOD OPTICAL QUALITY DAY / NIGHT AND IR CORRECTED LENS WITH SUPER WIDE FACILITY.

• FOCAL LENGTH:	2.5~8.0MM	- ANGLE OF VIEW (HORIZONTAL):	97~23º.
APERTURE (F):	1.4~125	- MINIMUM IMAGE DISTANCE:	0.15M.
LENS MOUNT:	CS	- IMAGE FORMAT:	1/3" CCD.
MAX. DIMENSIONS:	41(D) x 53MM(L)	- WEIGHT:	100G.

TVR0398DC-IR

- GOOD OPTICAL QUALITY ASPHERICAL DAY / NIGHT AND IR CORRECTED LENS.

• FOCAL LENGTH:	3~8.2MM	- ANGLE OF VIEW (HORIZONTAL):	89~34º.
APERTURE (F):	0.98~360	- MINIMUM IMAGE DISTANCE:	0.3M.
LENS MOUNT:	CS	- IMAGE FORMAT:	1/3" CCD.
MAX. DIMENSIONS:	37(D) x 52MM(L)	- WEIGHT:	65G.

EVD0308A-IR

- BULK STANDARD DAY / NIGHT IR CORRECTED LENS.

• FOCAL LENGTH:	3.0~8.0MM	- ANGLE OF VIEW (HORIZONTAL):	78~37º.
APERTURE (F):	1.4~360	- MINIMUM IMAGE DISTANCE:	0.1M.
LENS MOUNT:	CS	- IMAGE FORMAT:	1/3" CCD.
MAX. DIMENSIONS:	45(D) x 46MM(L)	- WEIGHT:	110G.

EVD0550A

- GOOD QUALITY LENS FOR USERS WITH WIDE TO TELEPHOTO REQUIREMENTS.

• FOCAL LENGTH:	5.0~50MM	- ANGLE OF VIEW (HORIZONTAL):	52~5.6º.
APERTURE (F):	1.6~360	- MINIMUM IMAGE DISTANCE:	0.2M.
LENS MOUNT:	CS	- IMAGE FORMAT:	1/3" CCD.
MAX. DIMENSIONS:	50.6(D) x 70.6MM(L)	- WEIGHT:	170G.

HIGH OPTICAL QUALITY IR CORRECTED DAY / NIGHT LENSES (ALSO SUITABLE FOR NORMAL DAYLIGHT VIEWING)

TG3Z3510FCS-IR

- TOP OPTICAL QUALITY AND ASPHERICAL LOW LIGHT ABILITY WITH GOOD WIDE TO STANDARD VIEWING ANGLES.

• FOCAL LENGTH:	3.5~10.5MM	- ANGLE OF VIEW (HORIZONTAL):	82~27º.
APERTURE (F):	1.0~360	- MINIMUM IMAGE DISTANCE:	0.3M.
LENS MOUNT:	CS	- IMAGE FORMAT:	1/3" CCD.
MAX. DIMENSIONS:	47(D) x 49MM(L)	- WEIGHT:	65G.

TG5Z8513FCS-IR

- BEST OPTICAL QUALITY AND EXCELLENT LOW LIGHT ABILITY WITH STANDARD TO TELEPHOTO VIEWING ANGLES. RECOMMENDED LENS WHEN USING NUMBER PLATE RECOGNITION CAMERAS DURING DAY AND NIGHT.

• FOCAL LENGTH:	8.5~40MM	- ANGLE OF VIEW (HORIZONTAL):	33.5~7.1º.
APERTURE (F):	1.3~360	- MINIMUM IMAGE DISTANCE:	0.8M.
LENS MOUNT:	CS	- IMAGE FORMAT:	1/3" CCD.
MAX. DIMENSIONS:	57(D) x 63MM(L)	- WEIGHT:	114G.

BOARD LENSES

BOARD LENSES

- GOOD QUALITY LENSES FOR USE WITH DOME AND OTHER BOARD TYPE CAMERAS WITH FIXED LENSES WHEN THE VIEWING ANGLE NEEDS TO BE ALTERED. A COMPLETE RANGE IS AVAILABLE WITH ANGLES FROM SUPER WIDE TO SEMI TELEPHOTO. CHOOSE FROM THE FOLLOWING FOCAL LENGTHS -

• 2.97MM	4.3MM	6.0MM
• 8.0MM	12.0MM	16.0MM

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IMATION CD-R - DISC SETS.
KINGSTON 1 GB - FLASH MEMORY STICK.
KINGSTON 8 GB - FLASH MEMORY STICK.
CCTV WARNING SIGN - A4.
CCTV STICKERS - 100 x 75mm.
CCTV LARGE SIGN - 600 x 400mm.
ENGINEERS 4.2" COLOUR TEST MONITOR.
TFT408LCD - 4" HANDHELD. HI BRIGHTNESS. INTERNAL BATTERIES.
PAGE 13:
CAMERA LENSES.
TVR2314DC - 2.3~6mm AUTO IRIS.
EVD0358A - 3.5~8mm AUTO IRIS.
EVD05100A - 5~100mm AUTO IRIS.
IR CORRECTED DAY/NIGHT LENSES.
TVR2514DC-IR - 2.5~8mm AUTO IRIS.
TVR0398DC-IR - 3~8.2mm AUTO IRIS.
EVD0308A-IR - 3~8mm AUTO IRIS.
EVD0550A - 5~50mm AUTO IRIS.
HIGH OPTICAL QUALITY IR CORRECTED DAY/NIGHT LENSES.
TG3Z3510FCS-IR - 3.5~10.5mm F1.0 AUTO IRIS.
TG5Z8513FCS-IR - 8.5~40mm F1.3 AUTO IRIS.
BOARD CAMERA LENSES.
2.97mm / 4.3mm / 6mm / 8mm / 12mm / 16mm.